

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

Fax: 604-688-2578

ASSESSMENT REPORT

describing

HAND TRENCHING, PROSPECTING AND SOIL GEOCHEMISTRY

at the

RUBY RANGE PROJECT

Latitude 61°12'N, Longitude 137°45'W
NTS 115H/4

in the

Whitehorse Mining District
Yukon Territory



094415.

prepared by

Archer, Cathro & Associates (1981) Limited

for

CASH MINERALS LTD.

by

W. Douglas Eaton, B.Sc., Geology
June 2003

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 76,400.

m. R.
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

Costs associated with this report have been
approved in the amount of \$ 76,400.00
for assessment credit under Certificate of
Work No. QW 27610

[Signature]

Mining Recorder
Whitehorse Mining District

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
HISTORY	2
GEOMORPHOLOGY	3
REGIONAL GEOLOGY	4
PROPERTY GEOLOGY	4
Lithology	5
Structure	5
MINERALIZATION AND GEOCHEMISTRY	6
General	6
Sampling Procedures and Analytical Techniques	7
Soil Geochemical Results	7
Mineralized Zones	8
DISCUSSION AND CONCLUSIONS	12
REFERENCES	14

APPENDICES

- I STATEMENT OF QUALIFICATIONS
- II ROCK DESCRIPTIONS
- III CERTIFICATES OF ANALYSIS

FIGURES

<u>No.</u>	<u>DESCRIPTION</u>	<u>FOLLOWING PAGE</u>
1.	Location	1
2.	Claim Location	1
3.	Regional Geology	2
4.	Property Geology	4
5.	Gold Compilation	6
6.	Arsenic Compilation	7
7.	Sample Location - Sack Zone	8
8.	Gold Compilation - Sack Zone	8
9.	Arsenic Compilation - Sack Zone	8
10.	Detail - Rikus Zone	8
11.	Detail - DalBianco Zone	9
12.	Sample Location - Delor and Switchback Zones	12
13.	Compilation - Delor and Switchback Zones	12

INTRODUCTION

This report was prepared for Cash Minerals Ltd. and describes gold exploration done in 2002 at the Ruby Range project, southwestern Yukon. The report incorporates results from work performed in 2002, which consisted of hand trenching, prospecting and soil geochemical surveys done by a 2 to 4 person crew operating from a series of tent camps on the property between July 3 and August 19. The program was managed by Archer, Cathro & Associates (1981) Limited under the author's supervision. The author's Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

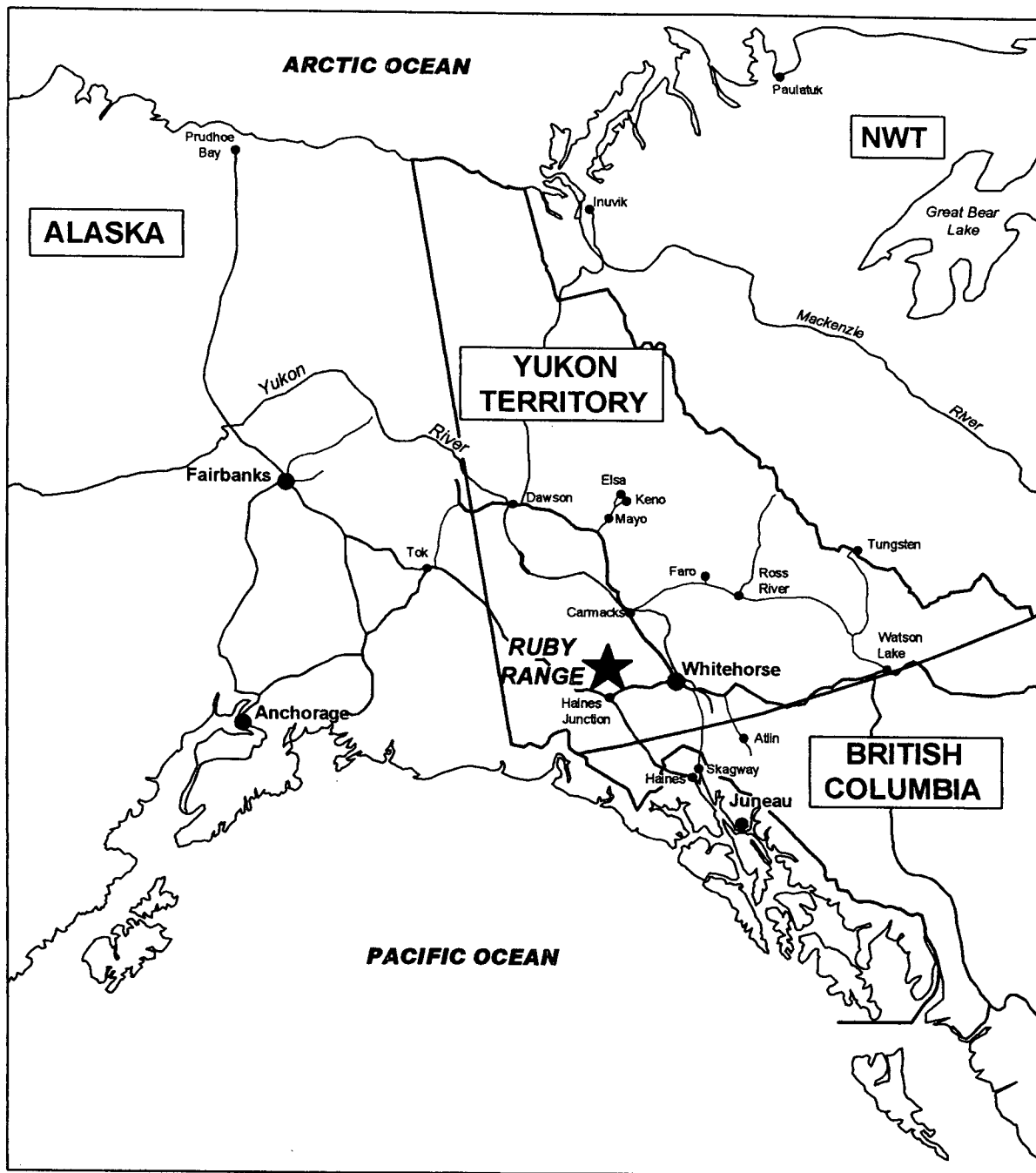
The property is located about 45 km north-northwest of Haines Junction in southwestern Yukon Territory at latitude 61°12'N and longitude 137°45'W on NTS map sheet 115H/4 (Figure 1). It consists of 191 mineral claims (Figure 2) registered with the Whitehorse Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds the claims in trust for Cash Minerals Ltd. Data concerning claim registration are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Angus 1-6	YB20532-YB20537	March 10, 2008
Shut 1-4	YA95641-YA95644	March 10, 2012
Delor 1-10	YB37735-YB37744	March 10, 2012
11-24	YB38302-YB38315	March 10, 2012
25-48	YB47116-YB47139	March 10, 2009
49-129	YB54418-YB54498	March 10, 2009
Malou 1-6	YB35901-YB35906	March 10, 2012
7-14	YB37727-YB37734	March 10, 2012
15-20	YB38136-YB38141	March 10, 2012
21-26	YB38218-YB38223	March 10, 2012
27-40	YB38316-YB38329	March 10, 2012
41-52	YB47140-YB47151	March 10, 2009

* Expiry dates include 2002 work filed for assessment credit but not yet accepted, plus an additional one year assessment credit resulting from a government assessment moratorium initiated in April 2003.

The Shut 1-4 and Angus 1-6 are owned 100% by Cash. The remainder are owned by J. Peter Ross and are under option to Cash, which can earn a 100% interest subject to a 3% net smelter return royalty, 2% of which can be purchased incrementally for a total of \$1.5 million. To earn its interest Cash must issue 200,000 of its shares to Ross and pay him \$80,000 over four years. There are no work requirements, except that all applicable assessment must be filed.

In 2002 personnel and field supplies were flown to the Ruby Range property by a Bell 206B helicopter operated by Trans North Helicopters. Flights originated from the helicopter base at Haines Junction or a gravel pit located along the Alaska Highway, 27 km west-northwest of Haines Junction and 30 km south of the property. There is no direct road access to the property but a 19 km long excavator trail extends southwesterly from the claims to the Cultus Creek access road which connects to the Alaska Highway some 48 km further to the south.



CASH MINERALS LTD.

FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

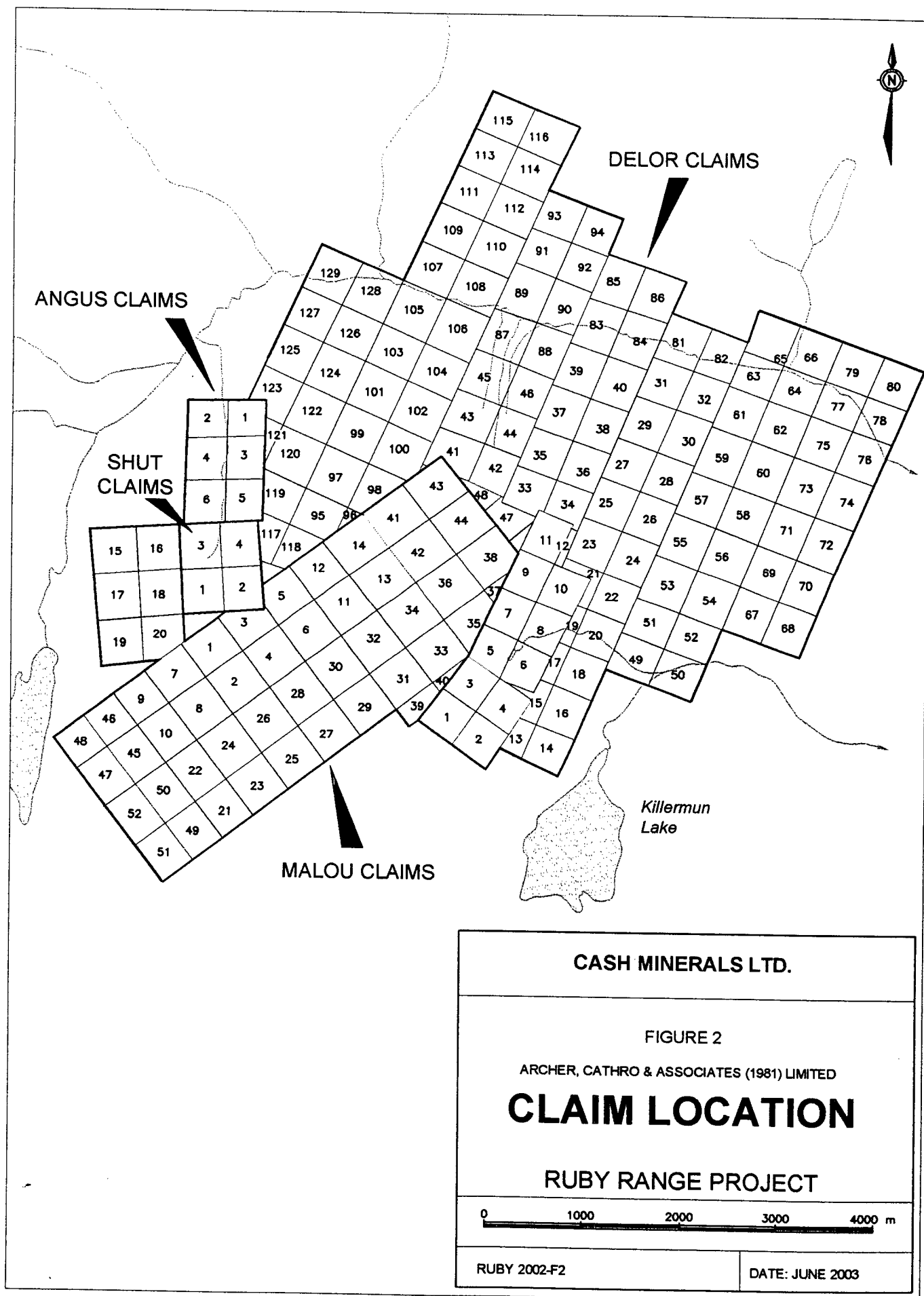
LOCATION

RUBY RANGE PROJECT

0 150 300 km

RUBY 2002-F1

DATE: JUNE 2003



Haines Junction is located 150 km by road from Whitehorse via the Haines Road and 265 km from a deep sea port at Haines, Alaska. The Aishihik hydroelectric dam is located 29 km due east of the Ruby Range project area.

HISTORY

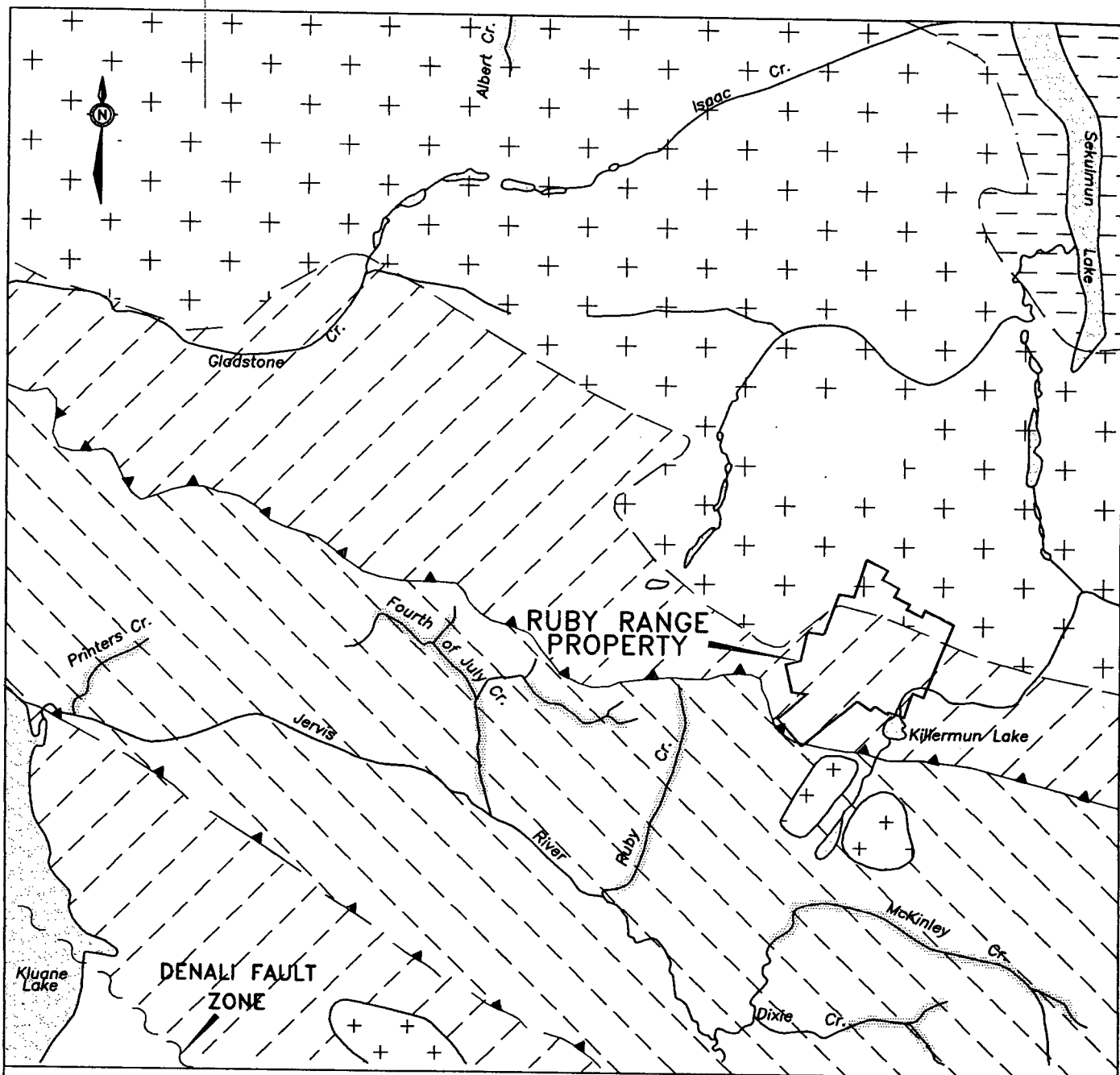
Placer gold occurrences are documented on several creeks located south and west of the Ruby Range property (Figure 3). These creeks have been explored intermittently since the early 1900s. Complete production figures are not available however, more than 371 kg (10,208 oz) of crude gold have been mined from one of the creeks (Fourth of July) since 1978 (LeBarge and Morison, 1990, Placer Mining Section 1996, Mining Inspection Division, 1998).

In fall 1986 a Geological Survey of Canada (GSC) stream sediment survey of the Aishihik map sheet (Hornbrook and Friske, 1985) reported anomalous gold and arsenic values from several drainages in the Ruby Range. Immediately following the geochemical release Silverquest Resources Ltd. (which later changed its name to Cash Resources Ltd. and subsequently to Cash Minerals Ltd.) staked the Shut, Kil, Kin and Live claim blocks to cover four anomalous drainages while United Keno Hill Mines Limited staked four blocks of Ruby claims nearby. The Spruce, Cliff and Wall claim blocks were staked by independent prospector P. Ross. Follow up reconnaissance contour geochemical sampling and prospecting later that year by Cash located numerous gold and arsenic anomalies in the vicinity of the Shut claims but did not substantiate the GSC anomalies on the Kil, Kin and Live properties.

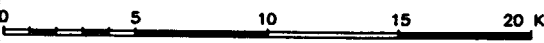
The first lode gold discovery in the area was made during summer 1987 by the DalBianco Exploration Syndicate on the Lib claims, one of two claim blocks it staked that year in the Ruby Range project area. Four hand trenches were dug and exposed an arsenopyrite rich quartz-carbonate vein system (the DalBianco Zone) for a strike length of 40 m. Selected specimens returned up to 89 g/t gold. The Lib claims were located approximately 3 km southeast of the Shut claims in what is now the southeastern corner of the Ruby Range property.

In 1987 Cash added 16 claims to the Shut claim block to cover soil geochemical anomalies outlined by the previous year's work and continued reconnaissance contour geochemical sampling and prospecting on and peripheral to the property. As a result of this work a specimen of arsenopyrite bearing quartz-carbonate float that assayed 122 g/t gold was discovered on lower Shut Creek. That same year United Keno Hill performed soil sampling and prospecting which outlined significant gold and arsenic anomalies on its Ruby 7-12 claims immediately south of the Shut claim block. Ross also staked a large block of Arc claims 3 km to the northeast.

The DalBianco Exploration Syndicate optioned its Lib and Beth claims in March 1988 to Cash which in turn optioned them and its Shut claims to Pezgold Resource Corp. in June. Exploration that summer consisted of grid soil geochemical surveys and prospecting on the Lib and Shut claims. That work outlined coincident north trending gold and arsenic anomalies on both properties and located additional arsenopyrite rich veins at the DalBianco Zone on the Lib claims. In mid-summer Pezgold staked the Angus and Topgun claims to provide additional coverage around the anomalies on the Shut and Lib claim blocks, respectively.



-  Thrust fault, known and inferred
-  Placer creek
-  Kluane Assemblage, biotite schist
-  Kluane Assemblage, muscovite schist
-  Aishihik Assemblage, schist and gneiss
-  Ruby Range Plutonic Suite, granodiorite

CASH MINERALS LTD.	
Figure 3	
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
REGIONAL GEOLOGY	
RUBY RANGE PROJECT	
	
DRAWN BY: WAW	Project
RUBY 2002-F3	DATE: JUNE 2003

In 1988 Ross added more Cliff claims on the east side of Killermun Lake and staked the Stroker claims adjoining his Arc claim block. His prospecting on the Arc claims discovered quartz-carbonate vein float, a specimen of which assayed 86 g/t gold. In summer 1989 the Arc and Stroker claims were briefly optioned to Noranda Exploration Co. Ltd. which performed geological mapping, soil sampling and geophysical surveys. Although that exploration outlined widespread arsenic anomalies with sporadic gold values associated with recessive topographic linears, no significant mineral occurrences were identified and the option was dropped.

Between 1991 and 1993 Ross restaked the Ruby 7-12 and Beth claims as the Malou claims, and the Lib claims as the Delor claims. In late summer 1993 Cash optioned the Malou and Delor claims amalgamating them with its 100% owned Shut and Angus claim blocks to create the Ruby Range property. Exploration during summer 1994 included grid soil sampling, geophysical surveys, mapping and prospecting plus hand and excavator trenching.

In fall 1994 the Arc and Stroker claims were added to the Ruby Range property to create the Ruby Range project. In spring 1995 NDU Resources Ltd. optioned the Ruby Range project from Cash. Work in summer 1995 was funded by NDU and consisted of claim staking, geological mapping, 934 m excavator trenching, 31.6 line km of grid Max-Min surveys and 1874 m of diamond drilling in 14 holes. Both companies later relinquished their options, leaving Ross with the Delor, Malou, Arc and Stroker claims and Cash with the Shut and Angus claims.

In spring 2002 Cash reoptioned the Malou and Delor claims from Ross and again combined them with its Shut and Angus claims to form the current Ruby Range project.

GEOMORPHOLOGY

The property is situated in the Ruby Range Mountains about 25 km northeast of the Shakwak Valley. The area lies in the rain shadow of the much higher St. Elias Mountains to the southwest. Average annual precipitation is less than 50 cm. Creeks draining the property are tributaries of the Aishihik River which flows into the Alsek River and eventually the Pacific Ocean.

Topography in much of the area is strongly influenced by Pleistocene to Recent valley and alpine glaciation (St. Elias ice sheet). The result is gently undulating uplands cut by broad, north trending U-shaped valleys flanked by hanging valleys ending in cirques. Valley bottoms in the vicinity of Killermun Lake, southeast of the claim block, are slightly below tree line at an elevation of about 1000 m. Lower slopes typically are covered by scattered buckbrush and moss while alpine grasses and open talus slopes predominate at higher elevations.

Bedrock exposures are rare on the valley floors due to a blanket of glaciofluvial outwash and till. Lower slopes are generally covered by lateral moraines up to about 1500 m and bedrock is only seen where creeks have made deep incisions through this material. Relief between 1500 and 1800 m is moderate to steep and outcrops are common where slopes exceed 30°. Ridge crests and upland plateaus above 1800 m appear to have escaped glaciation and are capped with slabby felsenmeer boulder fields. Although outcrop is locally abundant, it comprises less than 5% of the property as a whole. Soil development is poor in all geomorphological zones.

REGIONAL GEOLOGY

The Ruby Range project area lies within the Kluane Assemblage which is part of the Taku Terrane. This package of metamorphic rocks is bounded on the southwest by the Denali Fault Zone and on the northeast by a batholith related to the Ruby Range Plutonic Suite (Figure 3). Northeast of the Ruby Range Plutonic Suite are metamorphic rocks of the Aishihik Assemblage which belongs to the Yukon-Tanana Terrane. Southwest of the Denali Fault Zone are Paleozoic sedimentary and volcanic rocks of the Alexander and Wrangellia Terranes.

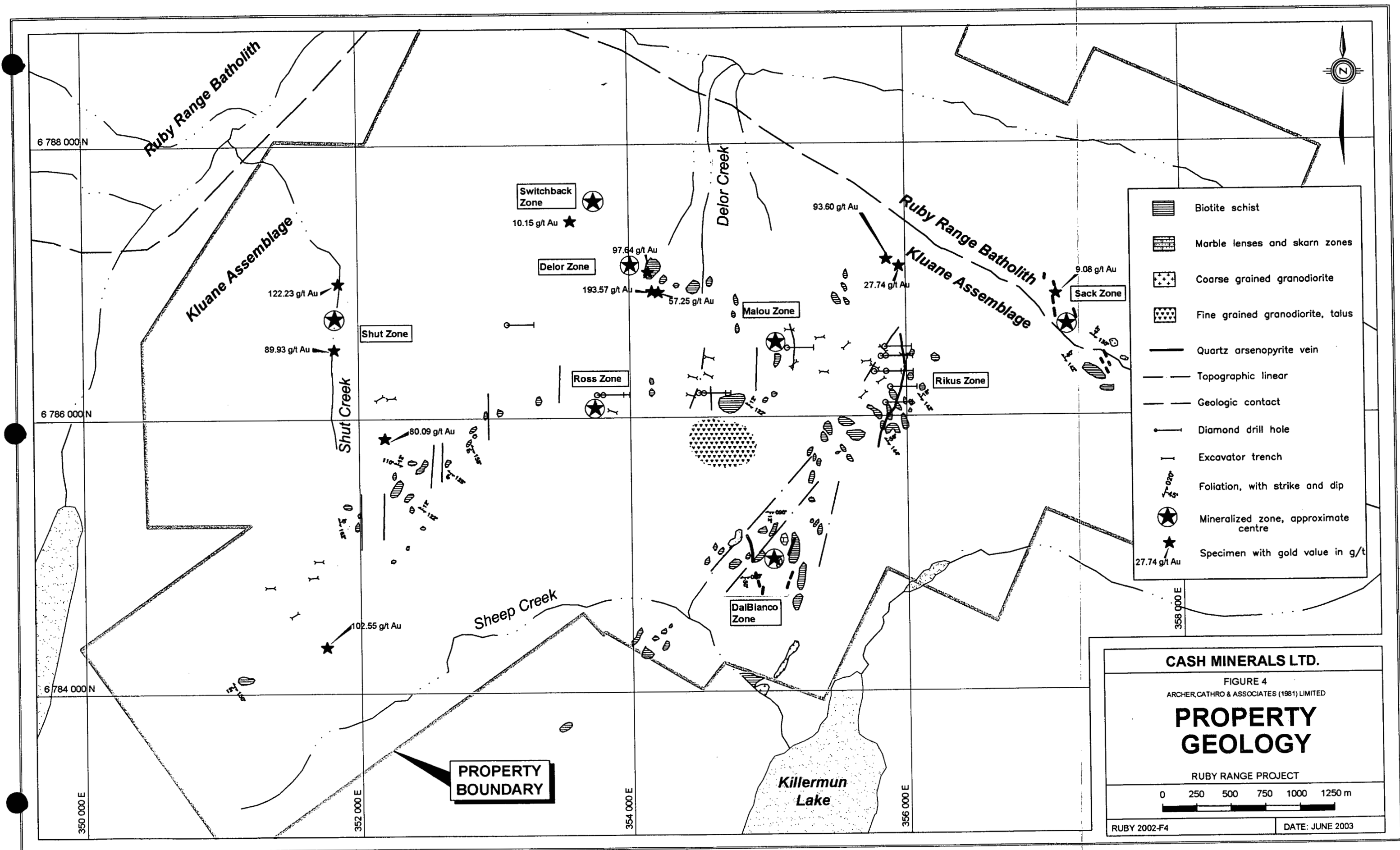
The regional geology was mapped at 1:250,000 scale by the GSC in the early 1970s (Tempelman-Kluit, 1974). Recent studies in the area have focussed on the metamorphic and intrusive history of the Taku Terrane. Two main lithological packages have been outlined in the vicinity of the property, the Kluane Assemblage and the Ruby Range Plutonic Suite as described below.

Kluane Assemblage comprises two relatively homogeneous units (biotite schist and muscovite-chlorite schist) separated by thrust faults. Both are graphitic, exhibit coarse schistosity and contain abundant blue-grey, sieve textured porphyroblasts of graphite filled andesine (Erdmer, 1991). Protoliths for the units are believed to be Mesozoic flysch derived from a westerly source (Erdmer and Mortensen, 1993). Biotite schist is the dominant unit on the property. It is typically brown weathering with a purple hue and contains garnet and staurolite with lesser tourmaline. Locally lenses of marble, less than 100 m in length, occur within the schist. These lenses often exhibit silicification and occasionally garnet-diopside skarnification. Two regional scale, east-west trending, north dipping thrust faults have been identified within the Kluane Assemblage, one of which is located along the southern edge of the property. The trace of this fault is intermittently marked by a series of elongate lenses of olivine-serpentine schist (Mezger, pers. comm., 1993). Sillimanite grade thermal overprinting observed in the schists is believed to be related to the emplacement of the Ruby Range Batholith.

Ruby Range Plutonic Suite includes the Ruby Range Batholith along the northeast side of the Kluane Assemblage and smaller satellite intrusions within it. The plutonic suite primarily consists of grey to light brown, medium to coarse grained, non-foliated biotite-hornblende granodiorite. The batholith appears to have been emplaced as a northeast dipping sheet paralleling the orientation of the regional metamorphic fabric. It is believed to be analogous to the Great Tonalite Sill situated 400 km to the south in the Alaska Panhandle. Age constraints of crystallization are reportedly between 50 and 57 Ma, which suggest the batholith was a synmetamorphic pluton intruded during the latter stage of the terminal high grade metamorphic event in the region (Mortensen and Erdmer, 1992).

PROPERTY GEOLOGY

Systematic geological mapping on the property is frustrated by the relative lack of bedrock exposures. In most areas contacts are inferred from distribution of lithologies in talus and felsenmeer. Figure 4 shows the main outcrops and general property geology. Observations made during mapping are summarized below.



Lithology

The rock type underlying most of the property is a homogeneous, coarse grained, graphitic quartz-biotite schist of the Kluane Assemblage. This unit is blocky weathering and often rusty brown on fracture surfaces. Common accessory minerals include garnet and staurolite with lesser tourmaline. Foliations normally strike 90 to 145° and dip from 15 to 35° NE occasionally rolling to 30° SW. The main exception occurs south of Shut Creek in the western part of the property, where strikes are about 160° and dips subhorizontal.

Marble lenses and occasional skarn zones are found within the schist on the east facing slope above Killermun Lake. Exposures of marble are typically white to pale green on both weathered and fresh surfaces, display weak silicification and range up to 7 m thick and 100 m long. Skarns consist of medium to coarse grained garnet and diopside. They are often rusty weathering making them difficult to distinguish from schist until the rock is broken.

Coarse grained granodiorite of the Ruby Range Batholith underlies the northern part of the property. The intrusive contact is on the floor of a broad valley and is mostly obscured by glacial till and glaciofluvial outwash. Where observed, the contact is sharp and the border phase granodiorite exhibits well developed foliation that parallels the contact and metamorphic textures in the schists. The foliation in the granodiorite gradually diminishes away from the contact and at a distance of approximately 1.5 km the rocks are non-foliated.

A few undeformed granodiorite outcrops have also been observed northeast near Killermun Lake and are believed to be part of a small plug. About 1600 m to the north near the centre of the claim block is a 400 m diameter area of foliated fine grained granodiorite talus that is believed to have been derived from another small plug.

Two sets of narrow (up to 1 m wide) unfoliated dykes have been noted in several areas within the schist. They are best distinguished by grain size. The finer grained dykes are andesitic, tan to medium grey and microcrystalline. They strike 160 to 190°, dip 60 to 70° W and occasionally follow north trending shear zones. The other dyke set is fine to medium grained and dioritic in composition. These dykes are pale green-grey, strike 080 to 100 ° and dip steeply to the south or north.

The age relationship between the various intrusive phases is uncertain because no crosscutting contacts have been observed.

Structure

The largest scale structure crossing the property is a northeast dipping thrust fault that has been traced approximately 65 km from an area southeast of the property to Granite Bay on Kluane Lake, as illustrated in Figure 3. This fault is paralleled by a second thrust 15 km to the southwest. A number of strong northeast trending high angle faults can be inferred from irregular indentations along the contact of the Ruby Range Batholith but these structures do not appear to affect the thrust faults. If this observation is correct, the high angle faults would have to be older than the thrusts. The inferred high angle faults often coincide with large, linear creek valleys.

Airphoto analysis and ground mapping have recognized numerous small, north and northeast trending recessive topographic linears cutting across the claims. Where exposed in outcrop or trenches, the linears contain one or more gouge zones surrounded by a few metres of weakly altered wallrock exhibiting moderate to strong fracturing paralleling the trend of the linear. Quartz veins or andesitic dykes have been emplaced along several of the linears.

Three types of veins are found on the property. Two sets are nearly conformable with foliation in the schists and appear to have been deposited from relatively high temperature metamorphic fluids. The third type, which is often gold bearing, is discordant and is believed to be derived from younger mesothermal solutions. These age relationships and temperature assumptions are based primarily on crosscutting relationships and mineralogical observations.

The most common type of conformable veins contains a single assemblage of quartz-carbonate. They usually strike 110 to 125°, dip 40 to 80° northeast and range up to 1.5 m in width. The other conformable vein set exhibits a more complex assemblage including quartz, andalusite, amphibolite, garnet, corundum and/or tourmaline. They range up to 0.7 m in width and sometimes cut foliation at a shallow angle. Most of the quartz in both of these sets forms glassy granular masses. Vein selvages often contain andalusite, muscovite and chlorite.

The discordant set of gold bearing veins are described in detail in the following section. They consist of quartz with lesser carbonate and minor muscovite. The quartz is typically milky white, granular to massive and weakly to strongly fractured parallel to the vein walls. The carbonate mineral is tan to cream coloured where fresh and is often leached from surface samples leaving a white powdery residue in cavities. These veins cut foliation at a high angle, striking northerly and dipping moderately to steeply to the west. In a few locations these veins cut the andesitic dyke set.

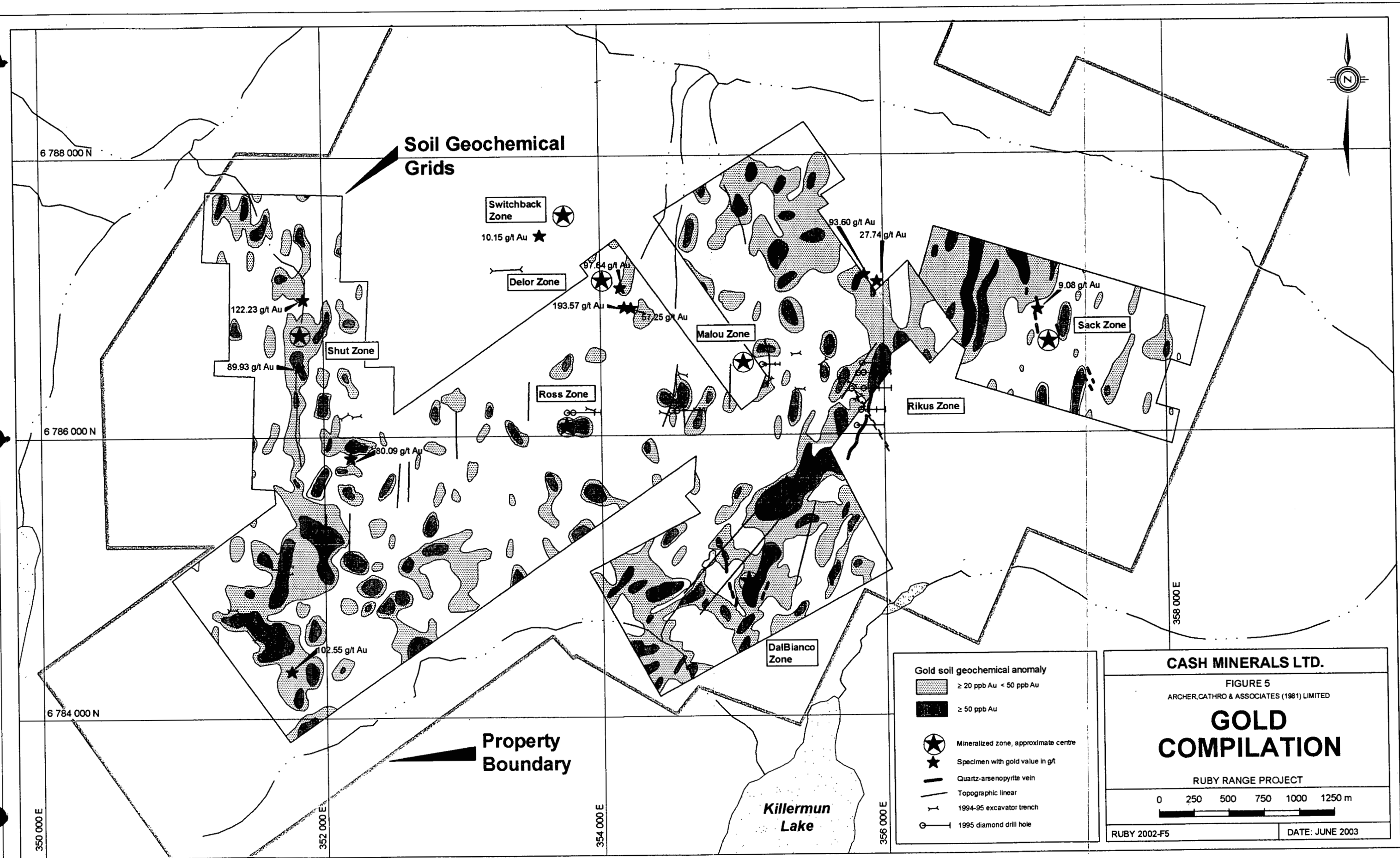
A few unmineralized faults appear to cut and slightly offset all three of the vein sets. The best exposed of these late faults crosses one of the gold bearing zones (the Rikus Zone) in the eastern part of the property. That fault strikes northwesterly, dips steeply and has produced about 25 m of dextral offset.

MINERALIZATION AND GEOCHEMISTRY

General

Although prospecting is often strongly inhibited by extensive till and felsenmeer cover, numerous auriferous arsenopyrite bearing quartz-carbonate veins and float occurrences have been discovered within a 5500 by 3500 m area in the central part of the property (Figure 5). For descriptive purposes, the veins and float occurrences have been grouped into eight zones.

The mineralized quartz-carbonate veins are usually associated with north trending recessive topographic linears. The vein material is usually well fractured and tends to weather into small fragments, rarely exceeding 10 cm in diameter. The host structures strike between 330 and 020° and dip vertically to 40° west. Individual quartz veins range up to 0.85 m in width while sheeted veins and veinlets form swarms up to 9.5 m across. Many of the veins include narrow gouge zones. The veins are usually surrounded by a few metres of fractured wallrock exhibiting weak chlorite and carbonate alteration with disseminated arsenopyrite.



Arsenopyrite is the only sulphide present in most veins but minor galena, chalcopyrite and pyrite have been noted in a few locales. Sulphide grains range from 1 to 4 mm in diameter and occur as disseminations or semi-massive to massive bands paralleling the vein walls. Specimens from the DalBianco Zone, Sack Zone and parts of the Malou Zone are generally coarser grained and contain more arsenopyrite than the other zones. Gold to arsenic ratios from individual samples are highly variable and some of the highest gold assays have come from specimens containing less than 2% arsenopyrite. Oxidized veins usually exhibit yellow-green scorodite stains. Native gold grains up to 1 mm in diameter have been observed in oxidized and unoxidized veins.

Mineralized veins typically assay between 3 and 80 g/t gold with the highest assay coming from an oxidized float specimen collected in the Delor Zone, which returned 193.57 g/t gold. Samples of arsenopyrite bearing wallrock taken adjacent to veins normally yield between 0.2 and 1.0 g/t gold.

The individual zones and their associated soil geochemical signatures are described individually later in this section. Those descriptions are based on work done in 2002 plus results of previous exploration (Eaton, 1987; Main, 1988, Eaton, 1993, Eaton and Wengzynowski, 1994; Wengzynowski, 1995 and Becker, 1996).

Sampling Procedures and Analytical Techniques

Sampling procedures and analytical techniques for soil, rock and core samples taken prior to 2002 were described in earlier reports.

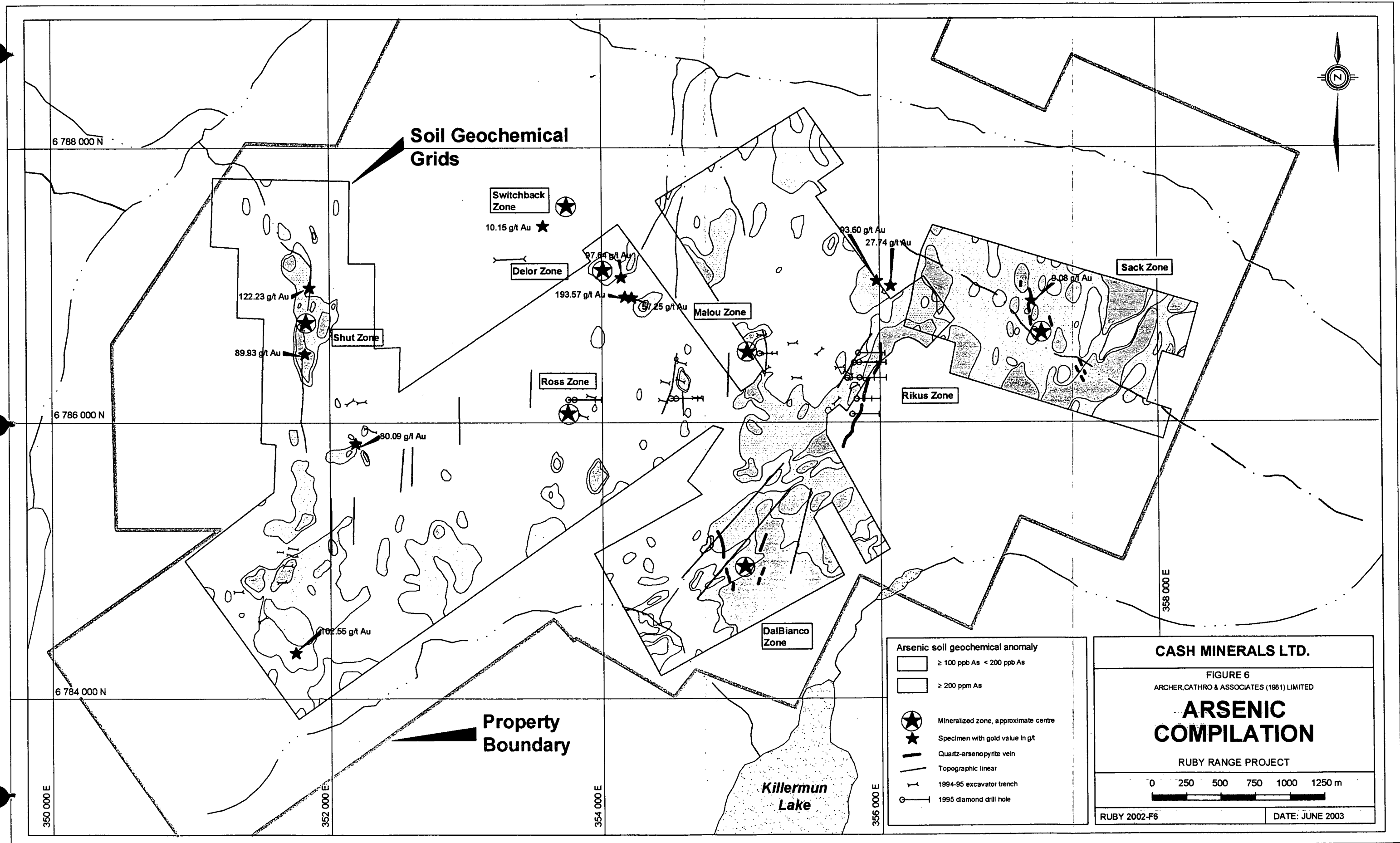
In 2002 most soils were collected from a 2000 by 1000 m area northeast of the main grid, which is centred on the Sack Zone. These samples were taken at 50 m intervals on compassed and topofilled lines spaced 200 m apart. Local survey control was provided by a baseline bisecting the grid area. Two east-west reconnaissance lines were also run on the north side of the main grid in the vicinity of the Switchback Zone. These lines were spaced about 200 m apart and the samples were taken at 50 m intervals. Rock specimens collected during prospecting and chip samples from hand trenches are described in Appendix II.

All 2002 samples were sent to ALS Chemex Labs in North Vancouver. Soils were first dried and sieved to minus 80 microns. Then they were geochemically analyzed for 34 elements using an aqua-regia acid digestion followed by an ICP-AES finish. They were also routinely analyzed for gold using fire assay coupled with atomic absorption spectrometry (AAS) on a 50 g split. Rock samples were first crushed to better than 70% minus 2 mm, then a 250 g split was pulverized to 85% passing minus 75 microns. A 50 g portion was analyzed for gold using fire assay and AAS, and for 34 other elements using aqua-regia acid digestion with ICP-AES. Certificates of Analysis appear in Appendix III.

Soil Geochemical Results

Grid soil geochemical results are available for about 50% of the property. Anomalous areas are best defined by gold and arsenic, which are closely correlated (Figures 5 and 6).

The largest, strongest and most continuous anomalies occur in two main trends located about 3500 m apart. Both trends are elongated along their north-south axis, parallel to the orientation of the veins.



CASH MINERALS LTD.

FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ARSENIC
COMPILATION**

RUBY RANGE PROJECT

0 250 500 750 1000 1250 m

RUBY 2002-F6 DATE: JUNE 2003

The easterly trend encompasses the DalBianco and Rikus Zones while the westerly one includes the Shut Zone. Most of the other zones are marked by weaker, more discontinuous anomalies. Surprisingly the Delor, Ross and Switchback Zones have very little geochemical expression. In some areas, notably the Delor and Switchback Zones, the weak geochemical response is likely caused by poor sample quality related to frozen, organic rich soil. In other areas the size, shape and intensity of the anomalies is undoubtedly influenced by downhill soil creep. Geochemical response in the vicinity of the Sack Zone differs somewhat from that elsewhere on the property (Figures 7, 8 and 9). Almost the entire area is moderately to strongly anomalous for arsenic but there is little correlation between arsenic and gold. The strongest gold anomalies on this grid are located about midway between the best mineralized of the Sack veins and those at the Rikus Zone.

Mineralized Zones

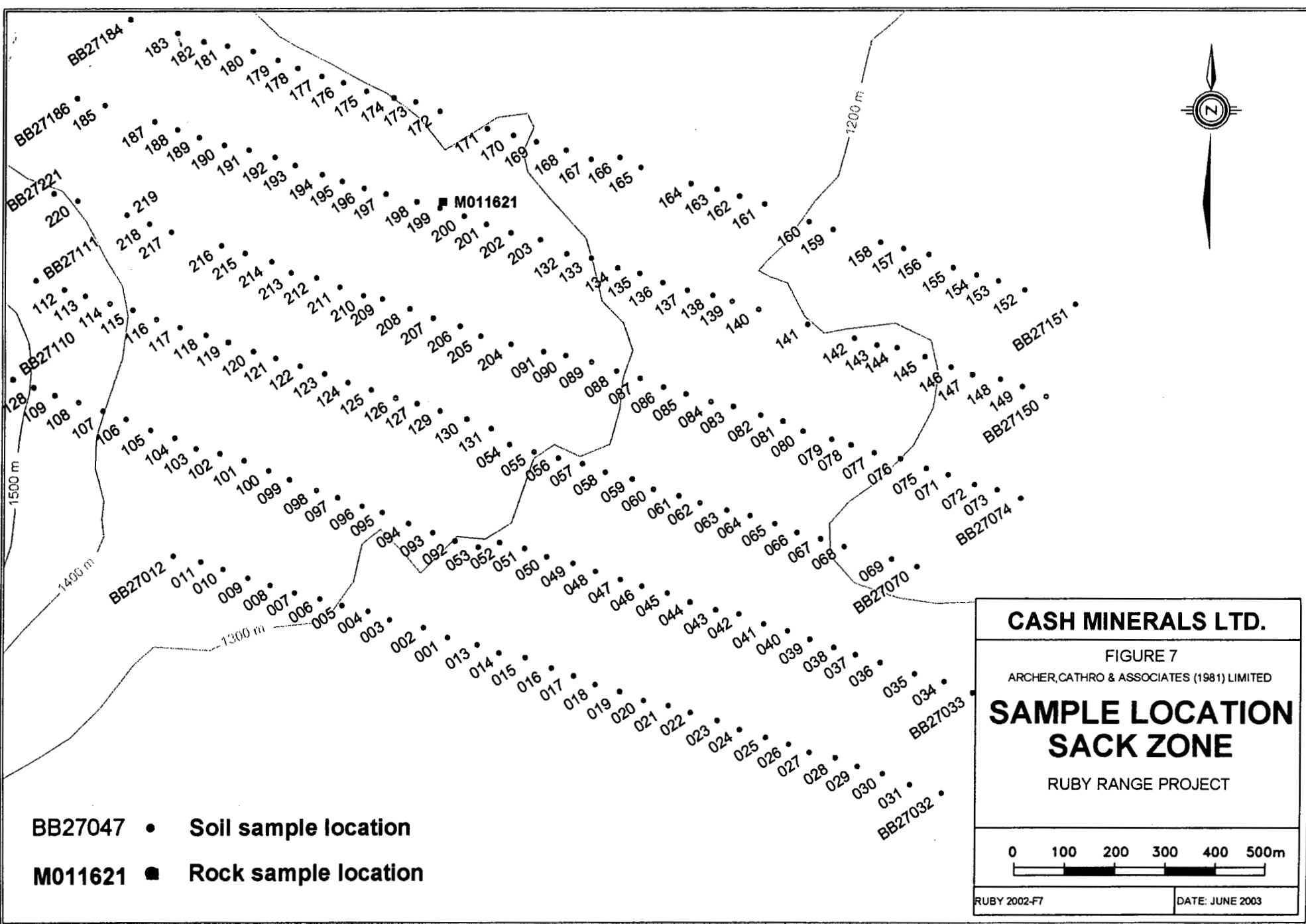
Eight mineralized zones have been identified on the property. All were found by prospecting with each discovery originally consisting of small fragments of mineralized quartz float surrounded by coarser talus, felsenmeer or glacial material. Only two of the zones (Rikus and DalBianco) contain mineralized outcrops. Attempts to trace the mineralized float to bedrock have been hampered by several factors. Hand trenching, except on steep south or east facing slopes, has been ineffective because downslope dispersion has made it difficult to identify a specific source area and size of the area that can be tested has been limited by the depth of overburden and/or frost in the soil. Excavator trenching suffered from the same problems and was further limited by steep terrain which prevented access to many promising areas. Diamond drilling has been the most effective technique for locating veins in bedrock, but it is relatively expensive and core recovery was often poor within the vein intervals, making grade determination somewhat unreliable. Larger diameter core and a better mud program should handle the core recovery problem.

The following paragraphs contain descriptions of each of the main zones.

The **Rikus Zone** is the best exposed, most intensively explored vein system on the property. The zone has been traced in outcrops and trenches over a 700 m strike length and is open to further extension in both directions. A cluster of gold rich float fragments discovered 500 m north lie along the projected surface trace of the vein system. In 1995 eight diamond drill holes were completed on five section lines spaced 100 m apart in the north-central part of the zone. Work on this zone in 2002 consisted primarily of hand trenches dug on a soil and talus covered slope about 250 m south and downhill from the drill area, as shown on Figure 10.

The zone consists of two subparallel veins located about 50 m apart, plus smaller veins and veinlets in the adjacent wallrocks. Mapping in 2002 coupled with re-evaluation of earlier drill results indicates that the main veins dip moderately to the west. The thickest, best mineralized vein intervals occur adjacent to an unmineralized cross fault. On the south side of the cross fault, the easterly vein widens to 75 cm of massive quartz, a chip sample across which assayed 22.40 g/t gold. On the north side of the fault the vein bifurcates into a swarm of subparallel, 0.5 to 2 cm veinlets. A chip sample across the vein swarm returned 7.37 g/t gold over 9.5 m.

The two main veins typically host massive milky white quartz bands that are often fractured parallel to strike. The quartz bands range from 0.08 to 0.75 m in width. They contain trace to 20% fine grained arsenopyrite with minor pyrite and occasional native gold grains. Although the quartz bands are often





Ruby Range
Batholith

9.08 g/t Au

1200 m

Kluane
Assemblage

1300 m

- Soil sample location
- ★ Rock sample with Au value
- ≥ 100 ppb Au
- ▨ ≥ 50 ppb Au < 100 ppb Au
- ▤ ≥ 20 ppb Au < 50 ppb Au

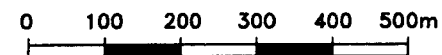
- 50 Vein orientation
- 40-60 Foliation orientation
- Quartz-arsenopyrite vein
- Geologic contact

CASH MINERALS LTD.

FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

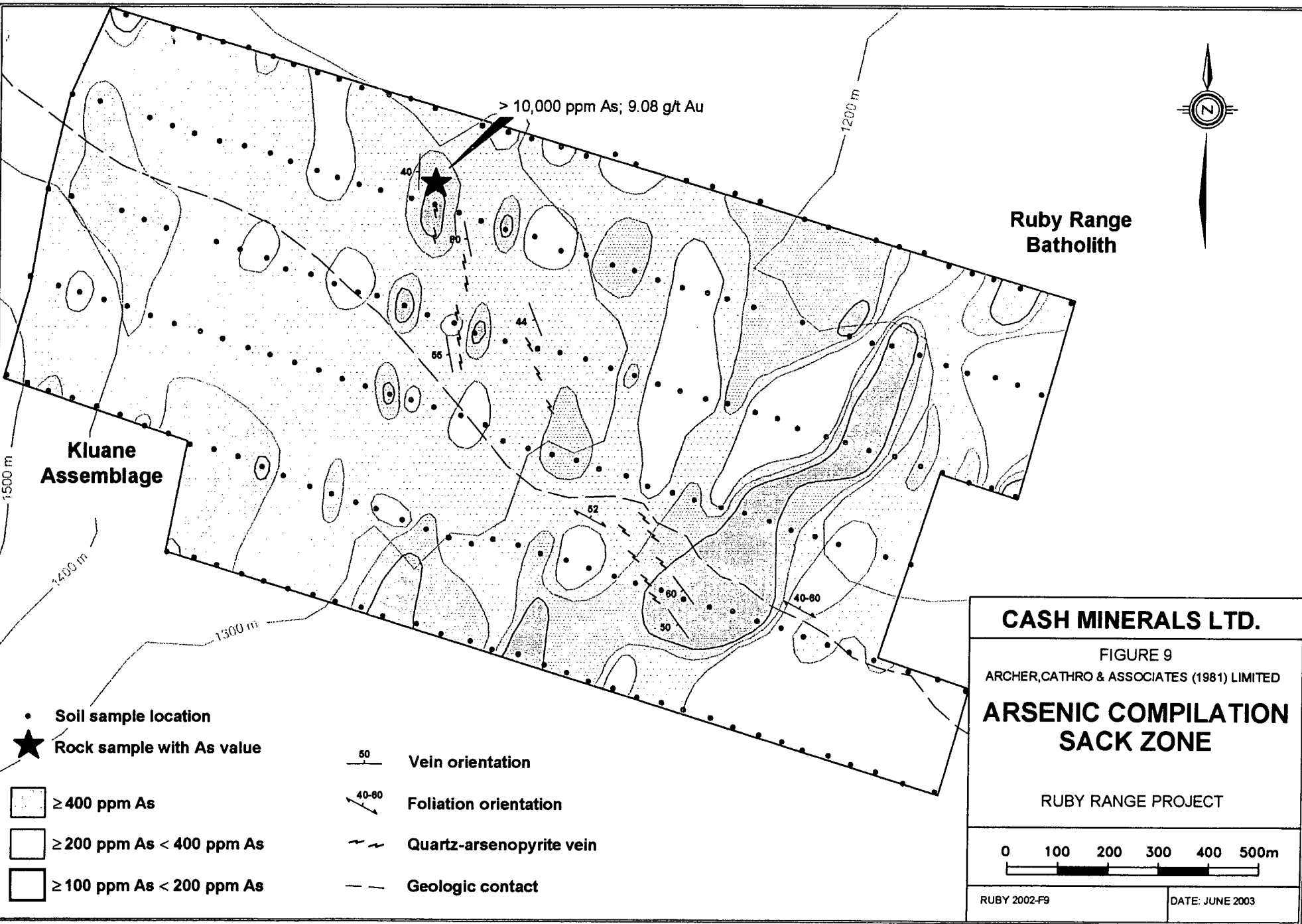
GOLD COMPILATION SACK ZONE

RUBY RANGE PROJECT



RUBY 2002-F8

DATE: JUNE 2003



narrow, they are generally high grade; for example, the seven bands cored in drill holes returned a weighted average of 28.13 g/t gold over 0.15 m.

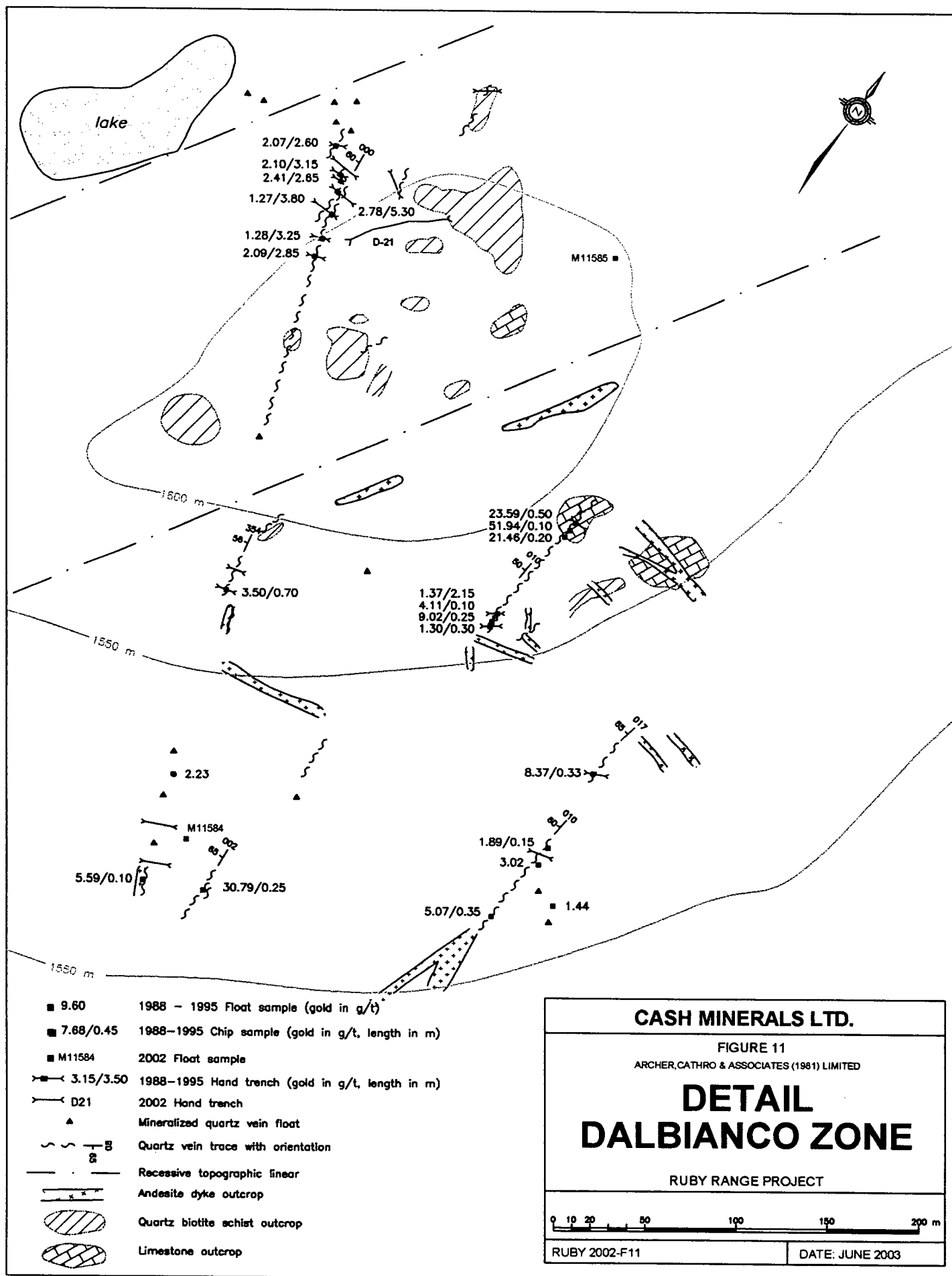
Lower grade alteration halos up to 2 m wide are developed around the well mineralized quartz bands. In drill core the altered rocks are bleached and chloritized, typically exhibiting minor, finely disseminated arsenopyrite and calcite. At surface they are highly fractured and clay altered with a rusty brown, pale green or yellow colour. Intensity of alteration is directly proportional to the degree of fracturing and abundance of quartz. Fourteen samples of altered drill core taken on either side of the seven quartz bands described in the previous paragraph returned a weighted average of 0.93 g/t gold over 1.35 m.

All eight of the holes drilled in the Rikus Zone intersected one or more mineralized intervals as tabulated on the following page. The widest intersection was in Hole 95-3 which returned 2.83 g/t gold over 6.80 m, including a 0.10 m wide quartz band plus 1 m of altered footwall and 5.70 m of altered hanging wall.

The **DalBianco Zone** lies about 1000 m southwest of the Rikus Zone. It was tested with hand trenches between 1987 and 2000 but has not been drilled. The trenches exposed several mineralized veins as illustrated on Figure 11. Three subparallel veins, about 100 m apart have been traced by trenches and float for up to 350 m along strike. Mineralized veins typically consist of 5 to 35 cm of semi-massive to massive, coarse grained arsenopyrite within barren or weakly mineralized quartz-carbonate gangue surrounded by 1 to 3 m wide alteration halos containing minor amounts of fine grained arsenopyrite. The alteration halos are rusty weathering and weakly to moderately silicified. Gold assays from the halos are low, typically between 0.20 and 1.00 g/t, but have returned up to 2.26 g/t. Chip samples of arsenopyrite rich quartz assayed as high as 41.07 g/t gold across 0.15 m but most returned less than 9 g/t. Samples from seven trenches cut across the most westerly vein over a 63 m strike length returned a weighted average of 2.03 g/t gold across 3.37 m. Gold to arsenic ratios in this zone and the Sack Zone are the lowest on the property.

The **Ross Zone** is located 2100 m west of the Rikus Zone. It was explored with three diamond drill holes and two excavator trenches in 1995 but no work was done here in 2002. Surprisingly, no mineralized float has been discovered near this zone and it is only marked by a small soil geochemical anomaly. Where exposed the mineralized structure consists of approximately 1 m wide, light grey to dark brown clay gouge bands containing small (<1 cm diameter) angular wallrock and quartz clasts. Only two excavator trenches targeted this zone. The first trench returned 19.06 g/t gold over 1 m. The other trench, 100 m to the south, failed to intercept significant mineralization. It is not known whether that trench was off the trend of the vein or the vein lacks lateral continuity.

The three diamond drill holes tested downdip beneath the first trench. The first was abandoned short of the zone so a second was drilled from the same collar at a slightly steeper angle. It intersected a 1.44 m thick section of clay gouge with quartz clasts, which assayed 4.16 g/t gold. Only 27% of the material from this interval was recovered. The third hole was collared 50 m to the west and based on the assumed orientation of the vein should have intersected it about 135 m deeper. Although this hole did intersect weakly veined structures near the top of the hole which correlate with weak structures encountered in the first two holes, it failed to intersect the downdip extension of the main vein.



RUBY 2002-F11

DATE: JUNE 2003

SIGNIFICANT DRILL INTERSECTIONS
RIKUS ZONE

Hole Number	Coordinates N E		Length (m)	Azimuth (°)	Dip (°)	From (m)	To (m)	Width (m)	Uncut Grade Gold (g/t)
95-1	10+000	10+000	162.76	090	-50	36.45	37.45	1.00	4.20
						45.94	49.99	4.05	2.92
including						46.94	49.99	3.05	3.74
or including						46.94	47.07	0.13	80.00
						54.56	56.08	1.52	1.19
						79.44	80.44	1.00	1.89
						84.17	93.43	9.26	1.03
including						92.15	93.43	1.28	4.79
95-2	9+900	10+023	141.43	090	-50	32.07	34.75	2.68	1.32
						39.32	40.23	0.91	4.49
						64.55	68.88	4.33	2.11
						81.99	82.99	1.00	1.50
95-3	9+900	10+022	170.08	090	-75	32.92	35.96	3.04	1.05
						46.63	48.62	1.99	2.49
						68.27	75.07	6.80	2.83
including						71.32	74.07	2.75	5.32
or including						73.97	74.07	0.10	54.00
95-4	10+105	9+984	148.44	090	-50	31.78	35.58	3.80	2.29
						61.87	65.19	3.32	2.72
including						65.11	65.19	0.08	48.60
95-5	10+192	9+982	134.72	090	-50	48.46	50.44	1.98	1.69
95-12	9+785	9+976	145.39	090	-50	32.38	33.57	1.19	4.56
including						32.38	32.57	0.19	29.19
						68.05	69.15	1.10	1.49
including						69.05	69.15	0.10	10.60
						71.69	72.89	1.20	1.87
including						71.69	71.89	0.20	9.26
95-13	10+001	9+900	224.64	090	-50	99.27	100.44	1.17	2.01
						150.47	154.54	4.07	1.95
including						150.47	151.47	1.00	4.69
95-14	10+105	9+939	156.36	090	-60	72.11	74.25	2.14	1.63
						142.64	144.12	1.48	3.06

The **Malou Zone** lies between the Ross and Rikus Zones. In 1995 three diamond drill holes and nine excavator trenches tested three recessive topographic linears and two areas of soil geochemical response which collectively define the zone. No exploration was done in 2002. The most promising target is a north trending linear exposed in Trench M-6. It consists of a 0.3 m wide band of strongly altered wallrock containing a stockwork of narrow quartz-arsenopyrite veinlets. At surface the altered wallrock is weathered to white clay gouge surrounding 1 to 5 cm wide quartz bands containing up to 15% coarse grained arsenopyrite. The first excavator trench across the zone returned 1.39 g/t gold over 0.3 m but two other trenches 105 m and 250 m north failed to intersect the mineralized structure.

Two diamond drill holes tested the downdip projection of the vein exposed in Trench M-6. The first returned 2.74 g/t gold over 0.33 m from strongly altered biotite schist exhibiting a stockwork of <1 mm wide quartz-arsenopyrite veinlets. The second hole intersected quartz-arsenopyrite veins and stockwork veinlets within weakly altered wallrock but returned near background gold values.

The second topographic linear at the Malou Zone is centred on Trench M-7 which is located 600 m east of Trench M-6. Bedrock beneath this linear consists of a 1 m wide band of altered and brecciated wallrock containing a stockwork zone of narrow quartz-arsenopyrite veinlets plus a 3 to 5 cm wide quartz-arsenopyrite vein. Although a composite of five vein specimens collected during prospecting in the vicinity of Trench M-7 returned 5.31 g/t gold, a sample containing vein exposed in that trench returned only slightly anomalous gold values. Two other trenches located 100 m north and south of Trench M-7 on the same north trending recessive linear failed to intersect mineralization. One diamond drill hole tested downdip beneath Trench M-7. It intersected altered and brecciated biotite schist containing a 3.5 cm wide quartz-arsenopyrite vein and minor narrow veinlets. The interval containing the veining returned 1.06 g/t gold over 1.13m.

Trenches dug on the other recessive linear and the soil geochemical anomalies at the Malou Zone failed to intersect significant mineralization and returned low gold assays.

The **Shut Zone** is located 4300 m west of the Rikus Zone. It was explored by a total of six widely spaced excavator trenches in 1995. No work was done here in 2002. Four of the trenches were cut on the felsenmeer covered uplands northwest of Sheep Creek within an area of strongly anomalous gold and arsenic soil geochemical response and vein float. All four trenches encountered permafrost at shallow depths and did not reach bedrock. Samples taken from rock fragments along the bottoms of the trenches did not explain the soil geochemical anomalies.

The other two trenches were cut into a mineralized float train in a north facing cirque at the head of Shut Creek. Vein specimens included scorodite and arsenopyrite bearing quartz-carbonate float which returned values up to 80.1 g/t gold. Although both trenches reached bedrock, neither exposed the source of the float.

Prospecting downstream to the north discovered additional specimens of mineralized float. There are no outcrops in that area and no trenches were cut. Four of twenty mineralized float specimens taken over a length of 2300 m within the area of anomalous soil geochemical response assayed greater than 80 g/t gold and the average for the 20 samples was 21 g/t gold (Wengzynowski, 1995). Vein material is composed of milky white, glassy or grey quartz-carbonate containing 2 to 20% fine grained disseminated arsenopyrite and rare galena.

The **Sack Zone** is the lowest and most easterly of the zones on the property. It is located on a broad hummock separating two glacial valleys, about 1400 m northeast of the Rikus Zone. Mineralized vein float was discovered there in 1995 and additional vein material was found in 2002 along a series of poorly exposed linears. No mineralization has been observed in bedrock. On average, the Sack Zone mineralization is more arsenopyrite rich than other zones. Mineralized specimens are typically less than 15 cm thick and have assayed in the range of 3 to 9 g/t gold (Figure 8).

The **Delor Zone** is situated on a north trending slope about 2000 m west-northwest of the Rikus Zone and 1000 m north along strike from the Ross Zone. Specimens of mineralized vein float collected by various workers within a 300 by 200 m area have returned encouraging gold assays. Two main types of material were sampled. The first type consists of scorodite or arsenopyrite bearing quartz-carbonate vein float, seven samples of which averaged 69.94 g/t gold, including values up to 193.57 g/t. The other type is biotite schist wallrock containing narrow quartz veinlets and 1 to 3% disseminated arsenopyrite. Two samples of the material returned 1.41 and 5.26 g/t gold (Figures 12 and 13).

The Delor Zone has not been observed in bedrock. Hand trenching has been frustrated by thick overburden and frozen soil. Steep slopes prevented excavator access. No diamond drilling has been done because the target is not well enough defined by prospecting and mapping. The Delor Zone lies immediately north of the area covered by the Max-Min survey and conductors defined at the Ross and Malou Zones project into this zone.

The **Switchback Zone** was discovered in 2002 on a vegetated north facing slope, about 700 m north of the Delor Zone. There is no outcrop in the area and hand pits bottomed at a shallow depth in frozen soil. Twelve samples of weakly mineralized quartz vein and altered wallrock were collected (Figure 12). The samples returned 0.15 to 10.15 g/t gold, averaging 2.03 g/t (Figure 13). The Switchback Zone is located at the projected junction of the Max-Min conductors that pass through the Ross, Malou and Delor Zones.

DISCUSSION AND CONCLUSIONS

Recent exploration at the Ruby Range project has provided a better understanding of the distribution and character of mineralization. Re-interpretation of earlier trench and diamond drill results shows that although the vein structures have good continuity along strike and downdip, thickness and grade are highly variable. The best results came from dilatant zones developed at structural junctions, where veins join other veins or are cut by cross faults. Diamond drilling beneath the veins consistently intersected mineralization but none of the drill intervals was as high grade as the best surface exposures. This is likely due in part to poor core recovery but it may also be that the holes were too widely spaced to adequately test for plunging vein junctions. Electromagnetic surveys across the main trenching and drill areas have shown that the mineralized structures act as conductors. Thus, these surveys could be used to define promising vein targets where structural junctions are buried by overburden.

Future exploration should consist of property wide electromagnetic surveys to identify favourable structural junctions. Then, diamond drilling should be done to test these targets, especially where they coincide with soil geochemical anomalies and/or mineralized float locales.

Switchback Zone

Delor Zone

Geochemical Grid

Malou Zone

Ross Zone

1994 & 1995 Program

2002 Program

- — Diamond drill hole
- Excavator trench

- Rock sample
- Hand pit

Geochemical anomaly

- ≥ 50 ppb Au
- ≥ 20 ppb Au < 50 ppb Au

- ★ Specimen

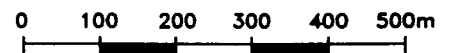
CASH MINERALS LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION DELOR & SWITCHBACK ZONES

RUBY RANGE PROJECT



RUBY2002-F12

DATE: JUNE 2003

Switchback Zone

Delor Zone

Geochemical Grid

Malou Zone

Ross Zone

1994 & 1995 Program

- — Diamond drill hole
- Excavator trench

Geochemical anomaly

- ≥ 50 ppb Au
- ≥ 20 ppb Au < 50 ppb Au



Specimen

- Max-Min conductor axis

2002 Program

- Rock sample with gold value
- Hand pit
- Extrapolated Max-Min conductor axis

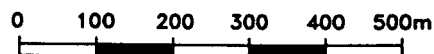
CASH MINERALS LTD.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COMPILATION DELOR & SWITCHBACK ZONES

RUBY RANGE PROJECT



RUBY2002-F13

DATE: JUNE 2003

The geological setting and style of mineralization at the Ruby Range project suggests potential to produce numerous small but high grade ore shoots. Some gold mines where this type of structurally controlled mineralization occurs have had long production histories but continued discoveries have required close spaced drilling and detailed understanding of mineralizing controls. Work to date at the Ruby Range project has only superficially tested a small percentage of the total area of interest. Additional work is certainly warranted.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in dark ink, appearing to be 'W. Douglas Eaton', written in a cursive style.

W. Douglas Eaton, B.Sc., Geology

REFERENCES

- Becker, T.C.
1996 Diamond Drilling, Trenching and Geophysical Surveys, Ruby Range Property, Assessment Report for Cash Resources Ltd. and NDU Resources Ltd.
- Eaton, W.D.
1987 Report on Geological Mapping and Geochemical Sampling on Shut 1-4 and Shut 15-20 Claims, Assessment Report for Silverquest Resources Ltd.

1993 Prospecting and Hand Trenching Report on the Killer Gold Property, Assessment Report for Cash Resources Ltd.
- Eaton, W.D. and Wengzynowski, W.A.
1994 Prospecting and Hand Trenching Report, Killer Gold Property, Assessment Report for Cash Resources Ltd.
- Erdmer, P.
1991 Metamorphic terrane east of Denali fault between Kluane Lake and Kusawa Lake, Yukon Territory; *in* Current Research, Part A, GSC Paper 91-1A, pp. 37-42.
- Erdmer, P. and Mortensen, J.K.
1993 A 1200 km long Eocene Metamorphic-plutonic belt in the northwestern Cordillera: Evidence from southwest Yukon; *Geology*, v. 21, pp. 1039-1042.
- Hornbrook, E.H.W. and Friske, P.W.B.
1985 Regional Stream Sediment and Water Geochemical Reconnaissance Data (NTS 115H), Yukon, GSC O.F. 1219.
- LeBarge, W.P. and Morison, S.R.
1990 Yukon Placer Mining and Exploration 1985 to 1988, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. viii.
- Main, C.A.
1988 Assessment Report on Soil Geochemical Survey, Killermun Lake Area, Yukon for Silverquest Resources Ltd.
- Mining Inspection Division
1998 Yukon Placer Industry 1995 to 1997, Mineral Resources Directorate, Yukon Territory, Indian and Northern Affairs Canada, p. 11.

Mortensen, J.K. and Erdmer, P.

- 1992 U-Pb⁴⁰, Ar³⁹, Ar and K-Ar ages for Metamorphics of the Kluane and Aishihik Assemblages in southwestern Yukon Territory; *in* Radiogenic Age and Isotopic Studies, Report 6; Geological Survey of Canada, Paper 92-2, pp. 135-140.

Placer Mining Section

- 1996 Yukon Placer Mining Industry, 1993 to 1994, Mineral Resources Directorate, Yukon, Indian Affairs and Northern Development Canada, p.5.

Tempelman-Kluit, D.J.

- 1974 Reconnaissance Geology of Aishihik Lake, Snag, and part of Stewart River Map Areas, west-central Yukon; GSC Paper 73-41.

Wengzynowski, W.

- 1995 Assessment Report describing Prospecting, Soil Geochemistry, Trenching, and Geophysical Surveys at the Ruby Range Project, for Cash Resources Ltd.

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



W. Douglas Eaton, B.Sc., Geology

ROCK DESCRIPTIONS

Rock Sample Descriptions

Project:

Ruby

Property:

Boy Range

Page 1 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11551	UTM: 6785935	N	UTM: 355820	E	Sample Width:	0.65m	Abundance:	Uncommon			
Comments:	Elevation:	m									
Chip across sheared, broken schist in trench R18. Includes broken quartz vein containing rare arsenopyrite dissemination and broken limonitic schist. 2 graphite-rich rubble bands. Original trench between two pits.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11552	UTM: 6786177	N	UTM: 355911	E	Sample Width:	0.31m	Abundance:	locally common			
Comments:	Elevation:	m									
Chip across Rikus main vein, natural outcrop beside trench R17. Dense white quartz, 45% arsenopyrite.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11553	UTM: 6786177	N	UTM: 355910	E	Sample Width:	2.0m	Abundance:	locally common			
Comments:	Elevation:	m									
Silicified schist and 5% quartz veins 1mm to 7mm thick. Arsenopyrite < 2% in veins and in schist adjacent to veins. Natural outcrop beside trench R17.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11554	UTM: 6786177	N	UTM: 355909	E	Sample Width:	0-12m	Abundance:	Uncommon			
Comments:	Elevation:	m									
0-12m wide recessive zone, grey sandy clay, possible gouge. East end of trench R17.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11555	UTM: 6786177	N	UTM: 355907	E	Sample Width:	2.46m	Abundance:	locally common			
Comments:	Elevation:	m									
Trench R17, silicified schist and 5% quartz veins 1mm to 7mm thick. Arsenopyrite < 2% in veins and in schist adjacent to veins.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Pan Con	Dimension:				
M11556	UTM: 6786897	N	UTM: 354032	E	Sample Width:		Abundance:				
Comments:	Elevation:	m									
1/4 pan concentrate from bottom of Delor showing test pits. Black sand but no VG in sample.											

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

Page 2 of 13

Sample Number: M11557 Grid North: UTM: 6786897 N Grid East: UTM: 354032 E Type: Moss Mat Dimension: Abundance: Elevation: m
Comments: West Delor Creek moss mat sample from showing area.

Sample Number: M11558 Grid North: UTM: 6785825 N Grid East: UTM: 355798 E Type: Chip Dimension: Abundance: locally abundant Elevation: m
Comments: Trench R22. Chip across silicified schist, hangingwall of 0.11m wide quartz vein.

Sample Number: M11559 Grid North: UTM: 6785825 N Grid East: UTM: 355798 E Type: Chip Dimension: Abundance: locally abundant Elevation: m
Comments: Trench R22. Chip across quartz vein containing 15% arsenopyrite in clots and disseminations.

Sample Number: M11560 Grid North: UTM: 6785825 N Grid East: UTM: 355798 E Type: Chip Dimension: Abundance: uncommon Elevation: m
Comments: Trench R22. Chip across mafic dyke which parallels quartz vein and lies adjacent to it.

Sample Number: M11561 Grid North: UTM: 6785821 N Grid East: UTM: 355793 E Type: Chip Dimension: Abundance: uncommon Elevation: m
Comments: Chip Trench R22. Across rubbly shear with grainy aplite dyke fragments and abundant limonite.

Sample Number: M11562 Grid North: UTM: 6785821 N Grid East: UTM: 355793 E Type: Chip Dimension: Abundance: uncommon Elevation: m
Comments: Trench R22. Chip across grainy aplite dyke + 3cm quartz vein. Vein contains 3% arsenopyrite in clots and disseminations, dyke contains arsenopyrite, fine-grained, as fracture coatings.

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

Page 3 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11563	UTM: 6785821	N	UTM: 355793	E	Sample Width:	0.40m	Abundance:	locally abundant			
Comments:	Elevation:	m									
Trench R22. Chip across weakly silicified schist, footwall of aplite dyke.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11564	UTM: 6785818	N	UTM: 355784	E	Sample Width:	1.85m	Abundance:	locally abundant			
Comments:	Elevation:	m									
Trench R22. Chip across schist with a series of small veins ranging from hairline (4mm) to 2 cm. Veins contain minor arsenopyrite, fine grained disseminations, except two veins, 1cm and 2cm wide, which contain 50% arsenopyrite.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11565	UTM: 6785852	N	UTM: 355801	E	Sample Width:	0.60m	Abundance:	uncommon			
Comments:	Elevation:	m									
Trench R21. Chip across schist, 0.30m wide competent mafic dyke, and two quartz veins, 4mm and 11mm wide.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11566	UTM: 6785852	N	UTM: 355801	E	Sample Width:	0.70m	Abundance:	uncommon			
Comments:	Elevation:	m									
Trench R21. Chip across fractured aplite dyke, silicified and bears occasional streak of fine grained arsenopyrite.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11567	UTM: 6785852	N	UTM: 355802	E	Sample Width:	2.15m	Abundance:	uncommon			
Comments:	Elevation:	m									
Trench R21. Chip across 0.80m of unaltered aplite dyke and 1.35m of adjacent schist. Sample includes 1cm wide band of dense, polished graphite.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Panel	Dimension:				
M11568	UTM: 6785887	N	UTM: 355808	E	Sample Width:	2m x 1m	Abundance:	rare			
Comments:	Elevation:	m									
Trench R20. Series of 9 vertical channels across sheared section of vein and surrounding schist, bounded on both sides by band of polished graphite. Section makes an "S" curve - vein and foliation deformed.											

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

4 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11569	UTM: 6785895	N	UTM: 355815	E	Sample Width:	2.21m	Abundance:	Uncommon			
	Elevation:	m									
Comments:	Trench R19. Chip across 7cm graphite band, 10cm limonitic gouge, 50cm intermediate dyke, 11cm quartz vein, and the remainder in intermediate dyke. Quartz vein contains rare arsenopyrite dissemination; dyke contains 2% striated acicular arsenopyrite euhedra.										
Sample Number:	Grid North:	N	Grid East:	E	Type:		Dimension:				
M11570	UTM: 678593	N	UTM: 355819	E	Sample Width:	1.0m	Abundance:	Uncommon			
	Elevation:	m									
Comments:	Trench R18, lower pit. Chip across 0-80m of rusty weathering schist cobble/boulder subcrop rubble and 0-20m of yellow-tan sand-clay-gravel with abundant mica, occasional graphite streak. Occasional arsenopyrite grain <1mm in rubble. Soil sample BB27223 from here.										
Sample Number:	Grid North:	N	Grid East:	E	Type:		Dimension:				
M11571	UTM: 6785938	N	UTM: 355820	E	Sample Width:	0.80m	Abundance:	Uncommon			
	Elevation:	m									
Comments:	Trench R18, upper pit. Chip across intensely fractured schist, all fractures yellow, abundant grey clay-sand mix. Sample includes thin (5mm wide) graphite streak and a 10 cm wide fractured quartz vein. Vein contains rare arsenopyrite grain.										
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11572	UTM: 6786310	N	UTM: 356018	E	Sample Width:	1.00m	Abundance:	Uncommon			
	Elevation: 1551	m									
Comments:	Trench R23 Highway. Chip across broken schist, fragment size usually < 10cm but in place. Chlorite (chrysotile?) on most surfaces.										
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11573	UTM: 6786310	N	UTM: 356019	E	Sample Width:	0-56m	Abundance:	Uncommon			
	Elevation: 1551	m									
Comments:	Trench R23 Hwy. Chip across shear — intensely fractured schist, limonite on most surfaces, no sulphide seen.										
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Dimension:				
M11574	UTM: 6786310	N	UTM: 356020	E	Sample Width:	3.00m	Abundance:	Uncommon			
	Elevation: 1551	m									
Comments:	Trench R23 Hwy. Chip across broken schist in place, fragment size about 15cm, red hematite coating on most fractures.										

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

5 of 13

Sample Number: M11575 Grid North: UTM: 6786310 N Grid East: UTM: 356022 N E Type: Chip E Sample Width: 0.70m Dimension: Abundance: Uncommon
 Elevation: m
 Comments: Rikus Trench R23. Chip across shear — intensely fractured schist. Limonite on all fractures, bright orange, no sulphide seen.

Sample Number: M11576 Grid North: UTM: 6786310 N Grid East: UTM: 356023 N E Type: Chip E Sample Width: 0.58m Dimension: Abundance: Uncommon
 Elevation: m
 Comments: Trench R23. Chip across broken schist, average fragment size 5cm, hematite on fractures.

Sample Number: M11577 Grid North: UTM: 6786031 N Grid East: UTM: 355850 N E Type: Chip E Sample Width: 1.90m Dimension: Abundance: locally common
 Elevation: m
 Comments: Rikus Main Vein Blowout. Hangingwall schist, weakly silicified, sample contains >25 small veins ranging from 1 to 5mm wide, average spacing about 7cm. Small veins parallel main vein (next sample) and contain 1 to 3% arsenopyrite crystals <2mm wide.

Sample Number: M11578 Grid North: UTM: 6786031 N Grid East: UTM: 355851 N E Type: Chip E Sample Width: 0.61m Dimension: Abundance: uncommon
 Elevation: m
 Comments: Rikus Main Vein Blowout. Chip across thick section in vein — usual thickness is about 0.2 m. 0.25m in core of vein is drusy with crystals <2cm. Schist along vein selvage is silicified and contains 2% arsenopyrite, disseminated grains <1mm wide.

Sample Number: M11579 Grid North: UTM: 6786031 N Grid East: UTM: 355852 N E Type: Chip E Sample Width: 2.05m Dimension: Abundance: uncommon
 Elevation: m
 Comments: Rikus Main Vein Blowout. Chip across footwall to vein, weakly silicified schist and about 10 quartz veins <5mm wide. Sample includes a 2cm wide quartz vein containing <2% coarse arsenopyrite grains.

Sample Number: M11580 Grid North: UTM: 6786031 N Grid East: UTM: 355854 N E Type: Chip E Sample Width: 0.80m Dimension: Abundance: rare
 Elevation: m
 Comments: Rikus Main Vein Blowout. Chip across 0.80m wide mafic dyke, competent and unaltered, containing 2% striated arsenopyrite euhedra <3mm long, acicular and occasionally twinned.

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

6 of 13

Sample Number: M11581 Grid North: N UTM: 6786131 Grid East: N UTM: 355888 E Type: Chip Dimension: E Sample Width: 0.96m Abundance: locally abundant
 Elevation: m
 Comments: Rikus Main Vein Splay hangingwall schist, weakly silicified, sample contains >12 small veins, all <5mm wide. Small veins parallel to main vein (next sample).

Sample Number: M11582 Grid North: N UTM: 6786132 Grid East: N UTM: 355889 E Type: Chip Dimension: E Sample Width: 0.65m Abundance: locally abundant
 Elevation: m
 Comments: Rikus Main Vein Splay. Chip across two branches of main vein and 0.25m of intervening silicified schist. Main vein contains irregularly disseminated arsenopyrite, 1 to 5%, as coarse (1mm) grains to fine specks.

Sample Number: M11583 Grid North: N UTM: 6786132 Grid East: N UTM: 355889 E Type: Chip Dimension: E Sample Width: 0.44m Abundance: locally abundant
 Elevation: m
 Comments: Rikus Main Vein Splay. Footwall schist, weakly silicified near vein.

Sample Number: M11584 Grid North: N UTM: 6784753 Grid East: N UTM: 354945 E Type: Chip Dimension: E Sample Width: 5.05m Abundance: uncommon
 Elevation: m
 Comments: Dalbiano south slope. 3 quartz veins, 1cm, 3cm, 4cm wide, containing 5 to 20% arsenopyrite. All three veins occur within 3.5m width, sample is across felsic dyke, weakly foliated. Thought to be previously described as "5m. shear".

Sample Number: M11585 Grid North: N UTM: 6785155 Grid East: N UTM: 355073 E Type: Chip Dimension: E Sample Width: 2.56m Abundance: common
 Elevation: m
 Comments: Dalbiano East side of hill. Chip across bedded sediments, rusty weathering and friable. 70% of section is quartzite, feldspathic beds are more strongly foliated. 30% is green-blue limestone. Limestone increases downward; feldspathic beds increase upwards. Beds 2 to 5cm thick. Sandstone contains <3% pyrrhotite disseminations, pervasive in some beds.

Sample Number: M11586 Grid North: N UTM: 6786169 Grid East: N UTM: 355898 E Type: Chip Dimension: E Sample Width: 4.00m Abundance: locally common
 Elevation: m
 Comments: Trench R16 east half. Chip across vertical set of veinlets in weakly silicified schist. 5 small veins, each <5mm wide containing occasional arsenopyrite grains. Sample contains a 5mm section of polished hematite and chlorite.

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

Page 7 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11587	UTM: 6786169	N	UTM: 3558994	E	Sample Width: 4.00m	Abundance:				
Comments:	Elevation:	m	Trench R16 west half. Chip across schist, weakly silicified, containing a vertical set of > 10 hairline fractures and veinlets < 5mm wide consisting of quartz and occasional arsenopyrite grains.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11588	UTM: 6786213	N	UTM: 355989	E	Sample Width: 1.15m	Abundance:				
Comments:	Elevation:	m	Trench R24 Highway. Chip across broken schist rubble, limonite on all fractures.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11589	UTM: 6786213	N	UTM: 355990	E	Sample Width: 2.15m	Abundance:				
Comments:	Elevation:	m	Trench R24 Hwy. Chip across strongly fractured schist, fragment size usually < 7cm. Sample includes two graphite bands, each 2cm wide.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11590	UTM: 6786214	N	UTM: 355992	E	Sample Width: 1.40m	Abundance:				
Comments:	Elevation:	m	Trench R24 Hwy. Chip across shear zone - intensely fractured schist bounded by plane of polished and slickensided broken rock. Shear zone includes streaks of limonite and graphite and occasional quartz fragments < 2cm wide.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11591	UTM: 6786214	N	UTM: 355993	E	Sample Width: 2.00m	Abundance:				
Comments:	Elevation:	m	Trench R24 Hwy. Chip across broken schist, irregular fracture orientations, limonite on fractures. Fractures bear polished chlorite and slickensides with chaotic orientations.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11592	UTM: 6785129	N	UTM: 354142	E	Sample Width: 0.50m	Abundance: Common				
Comments:	Elevation:	m	Dalbiance trench D21. Impure quartzite, speckled white and green-grey, foliated parallel to bedding, bedding 1cm to 5cm thick. Intercalated limestone beds < 7cm thick compose 30% of section. Limestone beds commonly contain < 5% wisps < 5mm thick of fine-grained red-brown garnet. Sample contains 2 rusty bands which cross bedding, each 1-5cm thick, consisting of completely decomposed to orange soil.							

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

8 of 13

Sample Number: Grid North: N Grid East: E Type: Chip Dimension: _____
M11593 UTM: 6785129 N UTM: 354142 E Sample Width: 0.93m Abundance: common
Elevation: m

Comments: Dalbiano trench D21. Impure quartzite, speckled white and gran-
grey, bedded parallel to foliation, bedding 1cm to 5cm thick. Intercalated limestone beds
< 7cm thick compose 30% of section. Limestone beds commonly contain <5% wispi <5mm
thick of fine-grained red-brown garnet.

Sample Number: Grid North: N Grid East: E Type: Dimension: _____
UTM: N UTM: E Sample Width: Abundance: _____
Elevation: m

Comments: _____

Sample Number: Grid North: N Grid East: E Type: Dimension: _____
UTM: N UTM: E Sample Width: Abundance: _____
Elevation: m

Comments: _____

Sample Number: Grid North: N Grid East: E Type: Dimension: _____
UTM: N UTM: E Sample Width: Abundance: _____
Elevation: m

Comments: _____

Sample Number: Grid North: N Grid East: E Type: Dimension: _____
UTM: N UTM: E Sample Width: Abundance: _____
Elevation: m

Comments: _____

Sample Number: Grid North: N Grid East: E Type: Dimension: _____
UTM: N UTM: E Sample Width: Abundance: _____
Elevation: m

Comments: _____

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

9 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	15x15x7cm				
M11594	UTM: 6787616	N	UTM: 351497	E	Sample Width:	Specimen	Abundance:	rare				
	Elevation:	1478	m									
Comments:	Shut Creek, below camp, float cobble, angular. From deposition zone of mudflow, initiation zone >200m upstream. Drusy quartz vein with cavities and limonite clots <3mm wide. 2% galena, crystals <4mm wide. <1% sphalerite in a 6mm wide crystal clot, crystals <3mm.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	35x15cm				
M11595	UTM: 6787666	N	UTM: 353775	E	Sample Width:	Specimen	Abundance:	locally abundant				
	Elevation:		m									
Comments:	Switchback float, breccia with indiscrte felsic clasts, some light orange with limonite, clasts <2cm wide, veins <1mm to 4mm wide. 3% pyrite + arsenopyrite disseminations to very fine wisps.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	30x15cm				
M11596	UTM: 6788045	N	UTM: 352364	E	Sample Width:	Specimen	Abundance:	rare				
	Elevation:	1500	m									
Comments:	Subrounded carbonate breccia boulder from lower slope, possibly transported. Between Shut and Delor Creeks. Indiscrte creamy tan clasts <2cm wide, quartz veins <5mm wide, weathers tan orange, no sulphides seen. Light green powder on some fractures - sericite. No effervescence in 10% HCl.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	20cm				
M11597	UTM: 6787668	N	UTM: 323821	E	Sample Width:	Specimen	Abundance:	locally abundant				
	Elevation:		m									
Comments:	Float cobble, quartz breccia, weathers rusty. Locally drusy. 2% very fine pyrite. Clasts <2cm wide appear to brecciated themselves suggesting two (maybe three) phases. Switchback.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	15cm				
M11598	UTM: 6787696	N	UTM: 353811	E	Sample Width:	Specimen	Abundance:	locally abundant				
	Elevation:		m									
Comments:	Quartz breccia, often drusy, some quartz crystals >1cm long, weathers rusty brown, <1% very fine pyrite in matrix. Switchback.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	20cm				
M11599	UTM: 6787707	N	UTM: 353806	E	Sample Width:	Specimen	Abundance:	locally abundant				
	Elevation:		m									
Comments:	Quartz carbonate breccia, milky white quartz matrix, red-brown clasts. Quartz veins locally drusy. Weathers orange-brown. Switchback.											

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

10 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:	Abundance:
M11600	UTM: 6787654	N	UTM: 353808	E	Type: Float	15cm	locally abundant
Comments:	Elevation: m				Sample Width: Specimen		
Quartz vein, mottled, irregular fracture, no visible crystals. 2% arsenopyrite, fine-grained, in clots < 2cm long. 3 other boulders like it nearby. Switchback.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:	Abundance:
M11601	UTM: 6787563	N	UTM: 353650	E	Type: Float	25cm	locally abundant
Comments:	Elevation: m				Sample Width: specimen		
Angular Float boulder, mottled breccia, indistinct clasts < 2cm wide, quartz veins < 4mm wide, some drusy. Quartz is white and contains 5% very fine grained arsenopyrite wisps. Half of boulder is breccia, half is a quartz vein > 5cm wide. Some cavities < 2cm long lined with acicular quartz crystals < 3mm long. Switchback.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:	Abundance:
M11602	UTM: 6788100	N	UTM: 353186	E	Type: Float	15x25cm	Uncommon
Comments:	Elevation: m				Sample Width: Specimen		
Float cobble, schist with 5cm wide quartz vein, 10% fine grained arsenopyrite in bands and some disseminations in vein. Vein quartz is drusy. Schist wallrock adjacent to vein contains arsenopyrite disseminations and clots < 2mm wide. Sample consists of equal parts vein and wallrock. Between Shut and Delor Creeks.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:	Abundance:
M11603	UTM: 6788117	N	UTM: 353058	E	Type: Float		locally abundant
Comments:	Elevation: m				Sample Width: Composite		
Rhyolite (dyke?) Float composite from 31 cobble pieces ranging in size from 4cm to 40cm, all subangular, weathered. Collected over a 25m area across hillside. Rock is white to cream with 2% orange limonite specks after pyrite (pyrite seen occasionally). Occasional quartz eyes < 1mm wide, sometimes floury-clay alteration? Weathers orange.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:	Abundance:
M11604	UTM: 6788109	N	UTM: 353265	E	Type: Float	1.5m	Uncommon
Comments:	Elevation: m				Sample Width: Specimen		
Intermediate schist, grainy, grains < 2mm, with fine veins < 2mm wide, < 1% arsenopyrite grains in schist. Series of boulders, each up to 1.5 m wide. Between Shut and Delor Creeks.							
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:	Abundance:
M11605	UTM: 6787861	N	UTM: 353657	E	Type: Float		rare
Comments:	Elevation: m				Sample Width: Specimen		
Rhyolite breccia with dark red-brown rind 1 cm wide. Quartz matrix with < 1% very fine arsenopyrite disseminated and along plane of vein edge. Switchback.							

Rock Sample Descriptions

Project: Ruby Property: Ruby Range

11 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	15cm			
M11606	UTM: 6787526	N	UTM: 353723	E	Sample Width:	Specimen	Abundance:	locally abundant			
Comments:	Elevation:	m									
Quartz breccia Float cobble, biotite schist clasts < 3cm wide, matrix veins < 5mm wide, only rare speck < 1mm wide of arsenopyrite. Switchback.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:				
M11607	UTM: 6787540	N	UTM: 353726	E	Sample Width:	specimen	Abundance:	locally abundant			
Comments:	Elevation:	m									
Quartz vein breccia, 5-10% fine-grained arsenopyrite clots and disseminations, weathers rusty. Switchback.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	25x25x10 cm			
M11608	UTM: 6787031	N	UTM: 354087	E	Sample Width:	Specimen	Abundance:				
Comments:	Elevation:	m									
Angular Float cobble, drusy quartz breccia, 2% arsenopyrite, scorodite on fractures. 1% cavities. Weathers orange, limonite on fractures. Quartz crystals < 5mm long. Delor. Arsenopyrite is concentrated in clasts < 3cm of silicified schist and druse interstices. Edge of specimen is dense quartz vein 1 cm wide. Possibly 3 phases of silicification.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Permafrost chip	Dimension:				
M11609	UTM: 6787197	N	UTM: 352251	E	Sample Width:	0.84m	Abundance:	locally abundant			
Comments:	Elevation:	m									
0.84m chip across frozen broken rock, west end of Switchback trench. Broken quartz fragments, silicified schist quartz breccia with fine-grained arsenopyrite. Limonite on fractures. Black band 15cm wide at each end of sample, graphite? Trench depth 1.1m. 25% of sample is fines.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Permafrost chip	Dimension:				
M11610	UTM: 6787197	N	UTM: 352251	E	Sample Width:	1.00m	Abundance:				
Comments:	Elevation:	m									
1.00m chip across frozen broken rock, east end of Switchback trench. Broken fragments of silicified schist, quartz veins < 5mm wide, arsenopyrite disseminated throughout quartz veins and schist.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Dimension:	2 cm fragments			
M11611	UTM: 6787197	N	UTM: 352251	E	Sample Width:	specimen	Abundance:	locally abundant			
Comments:	Elevation:	m									
Float from permafrost at bottom of Switchback trench. Breccia with fine quartz veins, < 2mm wide. Host rock is silicified schist with < 1% arsenopyrite disseminated. Limonite on fractures.											

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

12 of 13

Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11612	UTM: 6787197	N	UTM: 352251	E	Float	2cm Fragments				
	Elevation:	m			Sample Width: Specimen	Abundance: locally abundant				
Comments:	Float from permafrost at bottom of switchback trench. Silicified schist with 1% arsenopyrite disseminated, grains < 1mm wide. Occasional quartz vein < 3mm wide.									
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11613	UTM: 6787510	N	UTM: 353735	E	Float	35cm				
	Elevation:	m			Sample Width: Specimen	Abundance: locally abundant				
Comments:	Float boulder from switchback area, silicified schist containing 1% arsenopyrite disseminations, grains < 1mm wide. Slightly anastomosing quartz veins < 3cm wide contain fine-grained clots of arsenopyrite and scattered coarser grains < 3mm wide. Overall arsenopyrite in veins 5%. Limonite on some fractures. Big specimen.									
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11626	UTM: 6787420	N	UTM: 353725	E	Float	15cm				
	Elevation:	m			Sample Width: specimen	Abundance: Uncommon				
Comments:	Delor Creek Quartz breccia with 5% fine-grained arsenopyrite in bands and occasional coarser grain < 1mm wide. Some boxwork cavities. Limonite on fractures, weathers dull brown. Breccia clasts are indistinct quartz within quartz matrix.									
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11627	UTM: 6787406	N	UTM: 353726	E	Float	15cm				
	Elevation:	m			Sample Width: specimen	Abundance: Uncommon				
Comments:	Delor Creek quartz vein, dense milky white quartz. One edge is polished striated graphite - suspected fault. 5% fine bluish-grey wisps - graphite? Fine-grained arsenopyrite < 1% as planes parallel to vein wall.									
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11628	UTM: 6787002	N	UTM: 354152	E	Float	15cm				
	Elevation:	m			Sample Width: specimen	Abundance: Uncommon				
Comments:	Delor Creek quartz vein, dense white quartz, 15% fine-grained arsenopyrite clots concentrated in bands 1cm wide.									
Sample Number:	Grid North:	N	Grid East:	E	Type:	Dimension:				
M11629	UTM: 6786991	N	UTM: 354139	E	Float					
	Elevation:	m			Sample Width: specimen	Abundance: Uncommon				
Comments:	Delor Creek quartz vein, milky white quartz, slightly granular appearance, occasionally drusy. 5% fine-grained arsenopyrite clots and bands, scorodite on fractures. Vein margin is red-brown quartz band about 3-10mm thick.									

Rock Sample Descriptions

Project:

Ruby

Property:

Ruby Range

3 of 13

Sample Number: M11630

Grid North:

N

Grid East:

E

Type:

Float

Dimension:

15cm

UTM: 6787079

N

UTM: 355303

E

Sample Width: Specimen

Abundance:

rare

Elevation:

m

Comments:

Drusy quartz vein, quartz crystals < 15mm long. 2% galena
in druse interstices. Equal portion of sphalerite, 2% cavities.

Sample Number:

Grid North:

N

Grid East:

E

Type:

Dimension:

UTM:

N

UTM:

E

Sample Width:

Abundance:

Elevation:

m

Comments:

Sample Number:

Grid North:

N

Grid East:

E

Type:

Dimension:

UTM:

N

UTM:

E

Sample Width:

Abundance:

Elevation:

m

Comments:

Sample Number:

Grid North:

N

Grid East:

E

Type:

Dimension:

UTM:

N

UTM:

E

Sample Width:

Abundance:

Elevation:

m

Comments:

Sample Number:

Grid North:

N

Grid East:

E

Type:

Dimension:

UTM:

N

UTM:

E

Sample Width:

Abundance:

Elevation:

m

Comments:

Sample Number:

Grid North:

N

Grid East:

E

Type:

Dimension:

UTM:

N

UTM:

E

Sample Width:

Abundance:

Elevation:

m

Comments:

Rock Sample Descriptions

Project: RUBY

Property: _____

DELOR CREEK PLATEAU

Page 1 of 2

Sample Number: <u>MO11614</u>	Grid North: _____	N	Grid East: _____	E	Type: <u>FLOAT</u>	Dimension: <u>13 x 15 x 20 cm</u>	_____	_____	_____
	UTM: _____	N	UTM: _____	E	Sample Width: <u>13cm</u>	Abundance: <u>2 pcs</u>	_____	_____	_____
	Elevation: _____	m							
Comments:	<u>RUSTY TAN WEATHERING DREASY QUARTZ CARBONATE MATRIX WITH ROUNDED TO IRREGULAR SHAPED ARSENOPYRITIC RICH WHITE SUCROSIC QUARTZ BRECCIA CLASTS. SOME CLASTS MAY ALSO BE SILICIFIED SCHIST ALSO CONTAINING ABUNDANT ARSENOPYRITE. ALL CLASTS ARE CHARACTERIZED BY A DARK BROWN RIM. ONE SELVAGE OF AMPLE IS MARKED BY 2 1/2 CM WHITE/CLEAR GLASSY QV (WEAK BRXX) WITH MILKY WHITE STRINGER + CRYST.</u>								
Sample Number: <u>MO11615</u>	Grid North: _____	N	Grid East: _____	E	Type: <u>FLOAT</u>	Dimension: <u>10 x 10 x 6 cm</u>	_____	_____	_____
	UTM: _____	N	UTM: _____	E	Sample Width: _____	Abundance: <u>2 - 4 pcs</u>	_____	_____	_____
	Elevation: _____	m							
Comments:	<u>WEAKLY SKARNIFIED QUARTZ BIOTITE SCHIST AND MINOR SILICIFICATION. MINOR GARNET (?) PRESENT IN MATRIX. ORTHOGONAL FRACTURES IN SAMPLE CONTAIN INTERMITTENT DISSEMINATIONS & WHIPS OF ARSENOPYRITE. ALSO MINOR MIGRATION OF ARSENOPYRITE INTO MATRIX OF SAMPLE.</u>								
Sample Number: <u>MO11616</u>	Grid North: _____	N	Grid East: _____	E	Type: _____	Dimension: _____	_____	_____	_____
	UTM: _____	N	UTM: _____	E	Sample Width: _____	Abundance: _____	_____	_____	_____
	Elevation: _____	m							
Comments:	<u>WEAKLY SILICIFIED QUARTZ MUSCOVITE BIOTITE SCHIST WITH MODERATE CROSS-CUTTING MILKY AND GLASSY ARSENOPYRITE BEARING QUARTZ STRINGERS. SELVAGE ALTERATION AT STRINGER CONTACTS IS MINIMAL TO NIL. WEAK ARSENOPYRITE GRAINS ARE ALSO FOUND WITHIN THE ALTERED MATRIX.</u>								
Sample Number: <u>MO11617</u>	Grid North: _____	N	Grid East: _____	E	Type: <u>FLOAT</u>	Dimension: <u>13 x 20 x 9 cm</u>	_____	_____	_____
	UTM: _____	N	UTM: _____	E	Sample Width: <u>13cm</u>	Abundance: _____	_____	_____	_____
	Elevation: _____	m							
Comments:	<u>SIMILAR ROCK TYPE & CROSS CUTTING FEATURES AS MO11616 BUT THERE IS ABUNDANT PERVASIVE ARSENOPYRITE DISSEMINATION & WHIPS WITHIN ADJACENT WARD ROCK. ALSO MINOR % OF SULPHIDE IS PYRITE.</u>								
Sample Number: <u>MO11618</u>	Grid North: _____	N	Grid East: _____	E	Type: <u>FLOAT</u>	Dimension: <u>7 x 4 x 4 cm</u>	_____	_____	_____
	UTM: _____	N	UTM: _____	E	Sample Width: _____	Abundance: _____	_____	_____	_____
	Elevation: _____	m							
Comments:	<u>QUARTZ - MUSCOVITE - BIOTITE SCHIST WITH WEAK TO MODERATE SILICIFICATION AND SERICITIZATION. FRACTURES X-CUT FOLIATION @ 90° AND CONTAIN WHIPS AND BLEBS OF ARSENOPYRITE. WEAK AND MODERATE PROLIFERATION OF ARSENOPYRITE MINERALIZATION INTO WARD ROCK ADJACENT TO STRINGERS.</u>								
Sample Number: <u>MO11619</u>	Grid North: _____	N	Grid East: _____	E	Type: <u>FLOAT</u>	Dimension: <u>20 x 20 x 10 cm</u>	_____	_____	_____
	UTM: _____	N	UTM: _____	E	Sample Width: _____	Abundance: <u>tons</u>	_____	_____	_____
	Elevation: _____	m							
Comments:	<u>UNFOLIATED DIORITE FLOAT CONCENTRATED IN 50 BY 50M AREA IMMEDIATELY NORTH OF DELOR PLATEAU. MINERALIZED WITH TRACE BLEBS OF PYRITE.</u>								

Rock Sample Descriptions

Project: Ruby

Property:

lowlands geochem Gnd

Page 1 of 2

Sample Number: MO11620 Grid North:

N

Grid East:

E

Type: outcropDimension: 8cm x 15cm

UTM:

N

UTM:

E

Sample Width: 8cmAbundance: —

Elevation:

m

Comments:

quartz carbonate vein with minor quartz-biotite schist fragments.
mineralized with irregular bands and pods of arsenopyrite (~35 to 40%)
Abundant scorodite alteration

Sample Number: MO11621 Grid North:

N

Grid East:

E

Type: outcropDimension: —

UTM:

N

UTM:

E

Sample Width: 6cmAbundance: —

Elevation:

m

Comments:

vein containing semi-synthetic selvages (1/2-1cm) of tan-clear quartz
with trace aspy blebs. Core region is comprised of pale green scorodite altered
quartz and irregular massive patches of aspy (15-18%).

Sample Number: Grid North:

N

Grid East:

E

Type:

Dimension: —

UTM:

N

UTM:

E

Sample Width:

Abundance: —

Elevation:

m

Comments:

Sample Number: Grid North:

N

Grid East:

E

Type:

Dimension: —

UTM:

N

UTM:

E

Sample Width:

Abundance: —

Elevation:

m

Comments:

Sample Number: Grid North:

N

Grid East:

E

Type:

Dimension: —

UTM:

N

UTM:

E

Sample Width:

Abundance: —

Elevation:

m

Comments:

Sample Number: Grid North:

N

Grid East:

E

Type:

Dimension: —

UTM:

N

UTM:

E

Sample Width:

Abundance: —

Elevation:

m

Comments:

CERTIFICATES OF ANALYSIS



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - A

s: 2 (A - C)

Date: 10-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS VA02003066

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
M11594		0.46	4.44	34.5	0.06	5310	<10	20	<0.5	39	0.01	179.0	1	310	44	1.11
M11595		0.36	0.15	0.2	0.30	1735	<10	60	<0.5	<2	0.05	<0.5	3	165	7	1.20
M11596		1.20	0.22	<0.2	0.28	882	<10	20	<0.5	<2	1.21	0.7	47	792	3	3.63
M11597		0.50	0.30	<0.2	0.10	1190	<10	20	<0.5	2	0.02	<0.5	1	171	3	0.91
M11598		0.62	0.43	0.2	0.18	221	<10	20	<0.5	<2	0.02	<0.5	3	236	10	0.72
M11599		0.62	0.46	0.2	0.05	559	<10	30	<0.5	2	0.01	<0.5	1	172	2	0.58
M11600		1.22	4.65	0.7	0.11	6200	<10	80	<0.5	<2	0.01	<0.5	1	251	9	0.92
M11601		0.54	1.97	0.4	0.09	2430	<10	30	<0.5	<2	0.04	<0.5	1	191	2	0.65
M11602		0.26	0.26	0.5	1.17	6160	<10	130	<0.5	<2	0.19	<0.5	5	214	31	2.73
M11603		1.00	0.02	0.2	0.36	55	<10	20	<0.5	<2	0.01	<0.5	1	48	2	0.61
M11604		0.16	1.68	0.3	1.95	8200	<10	340	<0.5	<2	0.28	<0.5	11	238	4	3.74
M11605		0.64	2.26	0.5	0.23	6470	<10	320	<0.5	2	0.03	<0.5	3	150	5	1.95
M11606		0.52	0.35	1.4	0.26	5940	<10	120	<0.5	7	0.03	<0.5	2	190	33	1.47
M11607		0.50	2.03	0.2	0.27	5370	<10	400	<0.5	<2	0.13	<0.5	1	159	2	1.14
M11608		0.78	14.20	2.5	0.07	5830	<10	90	<0.5	7	0.02	<0.5	1	271	6	1.02
M11609		0.92	1.75	0.5	2.26	9570	<10	110	0.6	<2	0.68	<0.5	47	110	61	5.42
M11610		1.72	0.22	<0.2	2.60	1895	<10	100	0.5	<2	0.41	<0.5	17	173	35	5.04
M11611		0.66	0.10	<0.2	1.62	3380	<10	80	<0.5	<2	0.27	<0.5	7	186	17	3.38
M11612		0.98	0.02	0.2	1.78	340	<10	80	<0.5	<2	0.27	<0.5	10	148	37	3.77
M11613		1.78	1.06	0.3	1.02	>10000	<10	40	<0.5	<2	0.05	<0.5	7	199	4	3.40
M11614		1.16	15.55	0.8	0.09	8520	<10	60	<0.5	8	0.02	<0.5	1	176	3	1.16
M11615		0.64	0.50	<0.2	6.32	7600	<10	230	0.7	<2	2.91	<0.5	18	84	44	4.56
M11616		0.78	1.41	0.4	1.78	>10000	<10	150	<0.5	<2	0.16	<0.5	16	156	64	4.16
M11617		0.70	5.26	0.8	1.21	>10000	<10	140	<0.5	2	0.16	<0.5	11	187	4	3.27
M11618		0.10	0.34	0.2	2.09	>10000	<10	170	<0.5	<2	0.15	<0.5	19	186	75	4.34
M11619		0.86	0.01	<0.2	5.68	51	<10	340	<0.5	<2	4.09	<0.5	17	75	17	3.68
M11620		1.20	4.74	0.7	0.59	>10000	<10	10	<0.5	101	0.29	1.1	239	51	3	14.00
M11621		1.10	3.59	3.0	0.19	>10000	<10	40	<0.5	81	0.07	<0.5	44	217	14	8.91
M11626		0.94	10.15	3.7	0.25	>10000	<10	80	<0.5	19	0.34	<0.5	13	139	4	5.82
M11627		0.62	1.05	0.4	0.22	8520	<10	90	<0.5	<2	0.02	<0.5	5	283	10	1.36
M11628		0.74	89.8	6.9	0.11	>10000	<10	60	<0.5	495	0.01	<0.5	4	151	11	4.92
M11629		1.26	21.6	2.2	0.04	>10000	<10	160	<0.5	69	0.04	<0.5	1	259	8	1.58
M11630		0.56	2.28	>100	0.05	2120	<10	10	<0.5	179	0.01	138.0	1	208	41	0.87



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - B

Tests: 2 (A - C)

Date: 10-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02003066

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
M11594		<10	<1	0.02	<10	0.01	35	2	0.01	10	110	>10000	0.67	105	<1	1
M11595		<10	<1	0.07	<10	0.07	61	1	0.01	9	70	20	<0.01	6	2	2
M11596		30	<1	<0.01	10	14.05	743	<1	0.01	948	10	16	0.01	12	5	40
M11597		<10	<1	0.06	<10	0.04	20	1	0.01	9	30	4	0.05	5	<1	<1
M11598		<10	<1	0.08	<10	0.13	63	1	0.01	19	30	6	<0.01	4	<1	<1
M11599		<10	<1	0.04	<10	0.01	15	1	0.01	6	10	<2	0.01	4	<1	<1
M11600		<10	<1	0.08	<10	0.02	26	2	0.01	8	30	5	0.14	35	<1	1
M11601		<10	<1	0.07	<10	0.01	23	1	0.01	6	10	<2	0.06	20	<1	6
M11602		10	<1	0.16	10	0.66	256	2	0.03	17	530	3	0.16	4	3	24
M11603		<10	<1	0.15	10	0.01	44	1	0.07	3	40	11	<0.01	<2	<1	2
M11604		10	<1	0.21	10	1.39	435	2	0.06	33	700	<2	0.23	3	6	18
M11605		<10	<1	0.18	10	0.03	38	2	0.01	7	200	6	0.17	13	<1	13
M11606		<10	<1	0.09	10	0.02	58	1	0.05	8	90	99	0.07	9	3	29
M11607		<10	<1	0.14	<10	0.10	39	1	0.01	5	450	<2	0.21	25	1	25
M11608		<10	<1	0.04	<10	0.04	34	2	0.01	9	40	2	0.14	2	<1	13
M11609		20	<1	0.26	20	1.26	1125	1	0.03	80	1120	8	0.01	4	5	55
M11610		10	<1	0.22	20	1.60	506	1	0.04	52	1270	7	0.04	3	7	21
M11611		10	<1	0.16	20	0.96	352	1	0.05	29	690	2	0.06	2	4	22
M11612		10	<1	0.15	10	0.97	386	1	0.04	43	1060	8	0.02	<2	4	6
M11613		<10	<1	0.16	10	0.54	148	1	0.06	15	510	7	0.53	8	4	26
M11614		<10	<1	0.04	<10	0.05	24	1	0.01	6	40	3	0.28	3	<1	6
M11615		20	<1	0.75	10	1.88	564	<1	0.54	8	1340	3	0.44	4	12	284
M11616		10	<1	0.32	10	1.26	422	1	0.03	43	590	<2	0.74	7	5	3
M11617		10	<1	0.11	10	0.91	253	2	0.04	33	540	<2	0.85	7	3	8
M11618		10	<1	0.40	10	1.35	457	2	0.04	53	560	<2	0.74	8	6	1
M11619		10	<1	0.32	10	2.57	502	1	0.55	21	1500	3	0.11	<2	3	506
M11620		10	<1	0.14	20	0.38	94	6	0.06	18	820	<2	6.11	30	2	<1
M11621		<10	<1	0.05	10	0.09	36	5	0.01	8	50	10	4.09	18	<1	<1
M11626		<10	<1	0.13	10	0.05	53	1	0.01	13	150	26	1.15	30	<1	84
M11627		<10	<1	0.07	<10	0.08	43	2	0.01	13	100	<2	0.18	3	<1	56
M11628		<10	<1	0.06	10	0.03	15	1	0.01	6	70	14	1.45	23	<1	21
M11629		<10	<1	0.01	<10	0.01	26	1	0.01	8	20	3	0.47	5	<1	5
M11630		<10	<1	0.01	<10	0.01	34	2	0.01	7	60	>10000	0.34	32	<1	2



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - C

As: 2 (A - C)

Date: 10-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS VA02003066

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA46	Pb-AA46
		Ti	Ti	U	V	W	Zn	Ag	Pb
		% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.01
M11594		<0.01	<10	10	3	<10	5630		1.04
M11595		<0.01	<10	<10	7	<10	25		
M11596		<0.01	<10	<10	19	<10	32		
M11597		<0.01	<10	10	5	<10	7		
M11598		<0.01	<10	10	15	<10	10		
M11599		<0.01	<10	10	6	<10	3		
M11600		<0.01	<10	<10	5	<10	4		
M11601		<0.01	<10	<10	4	<10	3		
M11602		0.01	<10	30	49	<10	41		
M11603		<0.01	<10	90	1	<10	15		
M11604		0.03	<10	60	95	<10	52		
M11605		<0.01	<10	10	14	<10	10		
M11606		<0.01	<10	10	9	<10	10		
M11607		<0.01	<10	<10	5	<10	7		
M11608		<0.01	<10	<10	4	<10	2		
M11609		0.03	<10	30	86	<10	117		
M11610		0.02	<10	80	115	<10	90		
M11611		0.01	<10	50	76	<10	41		
M11612		0.01	<10	50	81	<10	70		
M11613		<0.01	<10	40	52	<10	22		
M11614		<0.01	<10	<10	4	<10	2		
M11615		0.13	<10	<10	67	20	85		
M11616		0.04	<10	50	83	<10	56		
M11617		<0.01	<10	30	47	<10	35		
M11618		0.04	<10	40	87	<10	62		
M11619		0.19	<10	20	75	<10	67		
M11620		0.05	<10	30	38	10	11		
M11621		<0.01	<10	10	5	10	4		
M11626		<0.01	<10	10	16	<10	5		
M11627		<0.01	<10	10	9	<10	8		
M11628		<0.01	<10	<10	5	<10	<2		
M11629		<0.01	<10	<10	3	<10	<2		
M11630		<0.01	<10	10	7	<10	3920	135	1.18



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

TO: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - A

es : 4 (A - C)

Date : 9-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
T39512		0.24	0.02	0.2	2.60	84	<10	290	1.0	<2	0.61	<0.5	20	66	62	3.65
T39513		0.54	0.04	<0.2	2.45	15	<10	290	0.9	<2	0.24	<0.5	14	68	34	3.54
T39514		0.38	0.01	<0.2	2.29	14	<10	290	0.9	<2	0.35	<0.5	14	69	34	3.46
T39515		0.54	0.02	<0.2	2.32	17	<10	310	0.9	<2	0.31	<0.5	13	67	34	3.42
T39516		0.48	0.09	<0.2	2.63	17	<10	390	1.0	<2	0.38	<0.5	15	75	38	3.73
T39517		0.34	0.01	<0.2	3.15	28	<10	540	1.2	<2	0.44	<0.5	18	90	48	4.34
T39518		0.28	<0.01	<0.2	2.85	16	<10	360	1.1	<2	0.38	<0.5	15	62	36	4.04
T39519		0.28	<0.01	<0.2	2.18	17	<10	280	0.8	<2	0.51	<0.5	13	56	36	3.13
T39520		0.42	<0.01	<0.2	1.94	12	<10	270	0.8	<2	0.51	<0.5	13	56	40	3.16
T39521		0.56	0.01	<0.2	2.34	22	<10	290	0.9	<2	0.36	<0.5	14	65	34	3.49
T39522		0.20	0.01	0.5	1.60	19	<10	200	0.7	<2	0.66	<0.5	19	37	42	2.58
T39523		0.52	0.01	<0.2	3.23	48	<10	410	1.4	<2	0.33	<0.5	19	77	49	4.58
T39524		0.32	0.02	0.7	2.34	35	<10	230	0.9	<2	0.40	<0.5	13	49	39	2.58
T39525		0.38	0.01	<0.2	2.14	18	<10	160	0.9	<2	0.24	<0.5	15	63	36	3.94
T39526		0.46	0.01	<0.2	2.03	35	<10	190	0.8	<2	0.25	<0.5	13	59	31	3.24
T39527		0.44	0.01	<0.2	3.41	82	<10	360	1.2	<2	0.27	<0.5	15	86	42	3.99
T39528		0.30	0.03	<0.2	2.87	100	<10	310	1.0	<2	0.35	<0.5	24	64	48	4.80
T39529		0.28	0.01	0.2	2.71	79	<10	300	1.0	<2	0.48	<0.5	17	59	45	3.86
T39530		0.34	0.01	<0.2	2.79	15	<10	330	1.0	<2	0.39	<0.5	16	60	38	3.90
T39531		0.28	<0.01	<0.2	1.82	16	<10	180	0.7	<2	0.45	<0.5	15	46	35	2.89
T39532		0.42	0.01	<0.2	3.08	23	<10	330	1.1	<2	0.27	<0.5	14	74	40	3.57
T39533		0.52	0.03	<0.2	2.31	22	<10	250	0.9	<2	0.29	<0.5	12	65	29	3.31
T39534		0.22	0.01	<0.2	2.52	50	<10	220	1.0	<2	0.31	<0.5	13	61	39	3.75
T39535		0.46	0.01	<0.2	2.31	99	<10	230	1.0	<2	0.35	<0.5	14	61	35	3.50
T39536		0.36	0.01	<0.2	2.50	43	<10	230	1.0	<2	0.24	<0.5	14	64	32	3.75
T39537		0.44	<0.01	<0.2	1.79	20	<10	210	0.7	<2	0.29	<0.5	10	56	29	3.04
T39538		0.44	0.01	<0.2	2.32	29	<10	240	0.9	2	0.21	<0.5	12	65	27	3.09
T39539		0.24	0.03	0.2	2.14	32	<10	240	0.9	<2	0.48	<0.5	14	57	37	3.02
T39540		0.48	0.01	<0.2	2.18	29	<10	140	0.8	<2	0.16	<0.5	15	58	35	3.90
T39541		0.44	0.01	<0.2	2.48	11	<10	250	1.0	<2	0.26	<0.5	15	55	36	3.54
T39542		0.40	0.01	<0.2	2.51	10	<10	260	1.0	<2	0.34	<0.5	15	59	38	3.60
T39543		0.38	0.01	<0.2	2.61	7	<10	300	1.0	<2	0.39	<0.5	14	72	36	3.55
T39544		0.26	0.01	<0.2	2.21	15	<10	240	0.8	<2	0.44	<0.5	14	58	42	3.48
T39545		0.36	<0.01	<0.2	2.39	7	<10	310	1.0	<2	0.42	<0.5	13	70	38	3.30
T39546		0.36	0.02	<0.2	2.27	14	<10	310	0.9	<2	0.43	<0.5	13	69	35	3.32
T39547		0.20	0.01	<0.2	2.71	16	<10	300	1.0	<2	0.30	<0.5	13	68	44	3.22
BB25971		0.40	0.01	<0.2	2.36	18	<10	260	0.9	2	0.30	<0.5	15	66	36	3.57
BB25972		0.38	0.01	<0.2	2.14	12	<10	250	0.8	<2	0.31	<0.5	13	61	33	3.33
BB25973		0.24	<0.01	<0.2	2.27	10	<10	260	0.9	3	0.37	<0.5	15	65	38	3.23
BB25974		0.26	0.01	<0.2	2.35	10	<10	240	0.9	<2	0.33	<0.5	15	66	42	3.68



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 3 - A

es : 4 (A - C)

Date : 9-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
Sample Description															
BB25975	0.38	<0.01	<0.2	2.35	10	<10	250	0.9	<2	0.35	<0.5	14	59	40	3.53
BB25976	0.30	0.01	<0.2	2.26	12	<10	240	0.9	<2	0.32	<0.5	14	59	42	3.37
BB25977	0.48	0.02	<0.2	2.24	11	<10	230	0.9	<2	0.30	<0.5	14	67	37	3.48
BB25978	0.50	0.02	0.2	2.12	22	<10	220	0.8	<2	0.30	<0.5	13	62	35	3.30
BB25979	0.46	0.02	<0.2	2.40	24	<10	330	0.9	<2	0.23	<0.5	12	75	37	2.87
BB25980	0.40	0.01	<0.2	3.04	26	<10	390	1.2	2	0.33	<0.5	18	92	45	4.04
BB25981	0.22	<0.01	<0.2	0.21	7	<10	20	<0.5	<2	0.13	<0.5	2	7	7	0.62
BB25982	0.54	0.02	<0.2	1.54	51	<10	210	0.6	<2	0.30	<0.5	11	42	29	2.41
BB25983	0.42	0.18	<0.2	0.26	13	<10	20	<0.5	<2	0.17	<0.5	4	9	11	1.35
BB25984	0.54	<0.01	<0.2	2.13	12	<10	290	0.8	<2	0.29	<0.5	12	53	30	3.06
BB25985	0.44	0.01	<0.2	2.48	32	<10	390	0.9	<2	0.50	<0.5	15	72	35	3.66
BB25986	0.36	0.01	<0.2	2.53	39	<10	370	0.8	<2	0.57	<0.5	18	77	39	3.82
BB25987	0.16	0.02	<0.2	2.06	75	<10	240	0.7	<2	0.43	<0.5	13	63	39	3.31
BB25988	0.54	0.05	<0.2	2.93	64	<10	280	1.3	2	0.32	<0.5	17	78	53	4.10
BB25989	0.34	0.08	<0.2	2.58	212	<10	290	0.9	<2	0.39	<0.5	17	81	43	4.04
BB25990	0.40	<0.01	<0.2	2.01	16	<10	220	0.9	2	0.31	<0.5	12	57	36	3.36
BB25991	0.50	0.01	<0.2	2.80	19	<10	330	1.2	3	0.36	<0.5	15	79	46	4.02
BB25992	0.24	0.01	<0.2	1.96	12	<10	190	0.8	<2	0.24	<0.5	12	55	34	3.39
BB25993	0.44	<0.01	<0.2	0.17	<2	<10	20	<0.5	<2	0.10	<0.5	2	4	6	0.52
BB25994	0.24	<0.01	<0.2	0.21	<2	<10	30	<0.5	<2	0.12	<0.5	3	5	9	0.61
BB27234	0.38	0.01	<0.2	2.61	12	<10	240	1.3	<2	0.22	<0.5	19	73	44	4.19
BB27235	0.50	0.03	<0.2	2.40	12	<10	260	1.0	<2	0.30	<0.5	17	65	38	3.80
BB27236	0.44	0.01	<0.2	1.97	9	<10	210	0.9	<2	0.20	<0.5	14	59	33	3.31
BB27237	0.60	0.02	<0.2	2.60	41	<10	220	0.8	<2	0.55	<0.5	18	83	47	4.07
BB27238	0.56	0.06	<0.2	2.62	52	<10	260	1.0	<2	0.28	<0.5	13	81	31	3.64
BB27239	0.44	0.01	<0.2	2.53	17	<10	210	1.0	<2	0.22	<0.5	13	76	32	3.90
BB27240	0.44	0.01	<0.2	2.49	17	<10	290	1.1	<2	0.32	<0.5	13	72	34	3.53
BB27241	0.36	0.01	<0.2	2.82	19	<10	370	1.3	<2	0.29	<0.5	16	81	37	3.93
BB27242	0.54	0.02	<0.2	3.05	63	<10	420	1.0	<2	0.38	<0.5	13	81	36	3.84
BB27243	0.62	0.01	<0.2	2.45	89	<10	350	0.7	3	0.47	<0.5	12	50	26	3.42
BB27244	0.34	0.01	0.2	2.73	31	<10	280	1.0	<2	0.35	<0.5	14	65	47	3.73
BB27245	0.22	<0.01	<0.2	2.12	22	<10	260	0.9	<2	0.61	<0.5	13	62	35	3.23
BB27246	0.50	0.02	<0.2	2.68	20	<10	290	1.1	3	0.28	<0.5	13	79	32	3.45
BB27247	0.50	0.01	<0.2	3.26	23	<10	320	1.3	2	0.23	<0.5	17	88	42	4.08
BB27248	0.22	0.02	0.5	2.11	64	<10	170	0.9	2	0.54	<0.5	13	58	38	2.76
BB27249	0.32	0.01	<0.2	2.61	44	<10	240	1.0	<2	0.38	<0.5	15	64	49	4.04
BB27250	0.42	<0.01	<0.2	2.32	16	<10	220	1.1	<2	0.36	<0.5	15	62	43	3.58
BB27251	0.36	0.02	<0.2	2.58	15	<10	250	1.2	3	0.22	<0.5	16	50	38	3.61
BB27252	0.40	0.02	<0.2	1.84	26	<10	160	0.8	<2	0.22	<0.5	12	51	33	3.03
BB27253	0.38	0.01	<0.2	2.30	13	<10	190	1.1	<2	0.24	<0.5	17	66	40	3.59



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 4 - A

es: 4 (A - C)

Date: 9-Sep-2002

Account: MPM

Project: Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
BB27227		0.52	0.03	<0.2	2.79	194	<10	310	1.1	<2	0.26	<0.5	17	83	48	4.23



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

to: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - B

es: 4 (A - C)

Date : 9-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS VA02003065

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
T39512		10	<1	0.35	10	1.02	546	2	0.03	40	960	7	0.12	<2	4	57
T39513		10	1	0.54	10	1.01	404	1	0.03	37	520	5	0.03	<2	6	15
T39514		10	1	0.53	10	0.96	409	1	0.03	36	670	4	0.06	<2	6	21
T39515		10	1	0.58	10	0.95	394	1	0.03	36	680	5	0.04	<2	6	20
T39516		10	1	0.64	10	1.12	391	1	0.03	37	750	5	0.05	<2	7	29
T39517		20	<1	0.79	10	1.29	567	1	0.03	45	760	6	0.05	<2	8	39
T39518		10	1	0.52	10	1.16	509	2	0.03	31	730	6	0.08	<2	6	31
T39519		10	2	0.35	10	0.94	463	1	0.03	28	800	5	0.08	2	4	41
T39520		10	<1	0.30	10	0.81	464	1	0.02	29	800	6	0.09	<2	4	42
T39521		10	1	0.48	10	0.92	516	1	0.03	37	680	6	0.04	<2	6	26
T39522		20	<1	0.12	10	0.52	1130	2	0.02	23	1460	6	0.21	<2	1	57
T39523		20	<1	0.60	10	1.15	847	1	0.02	43	830	8	0.06	<2	7	28
T39524		10	<1	0.26	10	0.74	449	2	0.02	27	1250	6	0.19	<2	2	39
T39525		10	<1	0.23	10	0.86	575	2	0.02	35	690	8	0.08	2	3	18
T39526		10	<1	0.41	10	0.86	404	1	0.02	34	430	5	0.02	<2	6	13
T39527		10	2	0.59	10	1.23	320	1	0.02	44	780	10	0.05	<2	8	18
T39528		10	<1	0.32	10	1.04	620	2	0.02	36	850	9	0.09	<2	4	32
T39529		20	1	0.37	10	0.95	661	2	0.03	34	1020	7	0.10	<2	4	41
T39530		10	1	0.64	10	1.28	416	1	0.05	36	680	6	0.04	<2	7	31
T39531		10	<1	0.22	10	0.67	639	1	0.03	28	980	6	0.13	<2	2	35
T39532		10	1	0.52	10	1.13	282	1	0.03	38	870	7	0.08	<2	6	23
T39533		10	1	0.45	10	0.89	417	1	0.02	33	670	4	0.03	<2	7	15
T39534		10	1	0.19	10	0.91	532	1	0.03	38	980	7	0.10	<2	4	26
T39535		10	1	0.39	10	0.85	566	1	0.02	35	810	6	0.05	<2	5	27
T39536		10	<1	0.38	10	0.84	551	1	0.02	35	720	6	0.07	<2	5	17
T39537		10	<1	0.23	10	0.69	340	1	0.02	30	550	4	0.06	<2	4	20
T39538		10	1	0.49	10	0.84	328	1	0.02	34	620	5	0.03	<2	6	11
T39539		20	<1	0.28	10	0.71	810	1	0.03	34	1090	5	0.14	<2	3	44
T39540		10	2	0.28	10	0.86	595	2	0.02	36	600	7	0.06	<2	3	12
T39541		10	<1	0.42	10	0.94	418	1	0.03	35	440	7	0.05	2	5	17
T39542		10	1	0.43	10	1.00	418	1	0.04	35	640	6	0.07	<2	5	30
T39543		10	<1	0.48	10	1.06	482	1	0.03	36	690	6	0.05	<2	7	31
T39544		10	<1	0.22	10	0.85	585	1	0.02	34	910	6	0.11	2	3	39
T39545		10	<1	0.51	10	1.01	374	1	0.03	34	620	5	0.08	<2	5	38
T39546		10	1	0.51	10	1.02	405	<1	0.03	33	530	4	0.06	2	6	36
T39547		10	1	0.26	10	0.99	339	1	0.03	37	880	6	0.12	2	3	30
BB25971		10	<1	0.40	10	0.94	499	1	0.02	36	630	5	0.06	<2	5	20
BB25972		10	<1	0.41	10	0.91	442	1	0.02	33	660	4	0.04	<2	6	21
BB25973		10	2	0.40	10	0.92	502	1	0.02	34	650	6	0.07	<2	5	28
BB25974		10	<1	0.34	10	0.97	532	2	0.03	36	740	8	0.06	<2	6	24



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

o: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # o

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 3 - B

es : 4 (A - C)

Date : 9-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
BB25975		10	<1	0.30	10	0.92	476	1	0.03	33	800	6	0.07	<2	5	27
BB25976		10	1	0.25	10	0.87	501	1	0.02	34	750	6	0.07	<2	5	24
BB25977		10	1	0.37	10	0.90	468	1	0.02	36	740	7	0.04	<2	6	18
BB25978		10	1	0.33	10	0.86	423	1	0.02	34	780	3	0.03	<2	6	18
BB25979		10	1	0.50	10	0.99	249	1	0.02	37	500	4	0.06	<2	6	18
BB25980		10	1	0.59	10	1.06	487	1	0.03	52	700	6	0.03	<2	8	27
BB25981		<10	<1	0.02	<10	0.09	158	<1	0.02	4	320	<2	0.02	<2	<1	12
BB25982		10	<1	0.28	10	0.59	560	<1	0.02	24	560	3	0.06	<2	3	27
BB25983		<10	1	0.03	<10	0.13	85	<1	0.02	5	430	<2	0.01	<2	<1	12
BB25984		10	1	0.38	10	0.86	433	1	0.02	28	690	5	0.06	<2	5	25
BB25985		10	1	0.72	10	1.28	355	1	0.04	32	1040	4	0.03	<2	7	38
BB25986		10	1	0.54	10	1.28	434	1	0.03	40	870	5	0.05	3	7	56
BB25987		10	<1	0.29	10	0.85	449	1	0.03	33	820	5	0.09	<2	4	36
BB25988		20	1	0.52	10	0.99	606	1	0.02	48	810	6	0.03	3	8	27
BB25989		10	1	0.48	10	1.14	542	1	0.03	43	840	6	0.03	<2	8	27
BB25990		10	1	0.34	10	0.75	412	1	0.02	33	680	5	0.04	<2	5	21
BB25991		10	<1	0.57	10	0.97	539	1	0.02	45	840	5	0.04	<2	8	30
BB25992		10	<1	0.12	10	0.70	473	2	0.02	31	850	8	0.10	<2	3	20
BB25993		<10	1	0.02	<10	0.09	43	<1	0.02	2	220	<2	0.01	<2	<1	9
BB25994		<10	<1	0.02	<10	0.10	129	<1	0.02	3	240	<2	0.03	<2	<1	12
BB27234		20	<1	0.53	10	0.97	621	1	0.02	45	600	6	0.05	<2	8	17
BB27235		10	1	0.39	10	0.93	559	1	0.02	42	480	7	0.03	<2	7	20
BB27236		10	1	0.43	10	0.81	423	1	0.02	37	290	5	0.02	<2	6	12
BB27237		20	<1	0.43	10	1.44	723	1	0.05	45	1160	9	0.02	<2	8	44
BB27238		10	<1	0.45	10	0.99	391	1	0.02	41	670	6	0.04	<2	8	18
BB27239		10	<1	0.26	10	1.03	305	1	0.02	43	600	5	0.06	<2	6	18
BB27240		10	1	0.58	10	0.90	500	1	0.02	38	890	5	0.02	2	8	19
BB27241		20	1	0.60	10	0.97	747	1	0.02	41	750	6	0.05	2	9	22
BB27242		10	1	0.78	10	1.17	358	<1	0.02	38	980	5	0.02	<2	9	24
BB27243		10	1	0.75	10	1.09	283	<1	0.04	21	1300	5	0.01	<2	7	23
BB27244		10	1	0.33	10	0.90	521	2	0.02	39	1010	7	0.12	<2	5	34
BB27245		10	<1	0.20	10	0.75	765	1	0.03	33	1080	6	0.12	<2	3	52
BB27246		10	1	0.59	10	0.98	337	1	0.02	41	800	6	0.02	<2	8	15
BB27247		10	1	0.65	10	1.21	340	<1	0.02	47	710	9	0.02	<2	10	10
BB27248		20	1	0.20	10	0.71	762	1	0.02	32	1390	8	0.18	<2	3	47
BB27249		20	<1	0.28	10	0.88	678	2	0.02	41	1070	8	0.12	<2	5	32
BB27250		10	<1	0.45	10	0.91	516	1	0.02	42	830	5	0.02	2	7	22
BB27251		10	2	0.52	10	0.97	467	1	0.03	35	350	5	0.03	<2	7	17
BB27252		10	<1	0.33	10	0.77	408	1	0.02	32	470	4	0.03	2	5	13
BB27253		10	1	0.36	10	0.94	579	1	0.02	42	520	6	0.04	<2	7	13



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of samples: 4 (A - C)

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - C

es: 4 (A - C)

Date: 9-Sep-2002

Account: MPM

Project: Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
T39512		0.15	<10	<10	99	10	77
T39513		0.22	<10	<10	100	<10	75
T39514		0.21	<10	<10	101	<10	82
T39515		0.21	<10	<10	99	<10	75
T39516		0.23	<10	<10	108	<10	81
T39517		0.26	<10	10	133	<10	96
T39518		0.23	<10	<10	102	<10	88
T39519		0.15	<10	<10	81	<10	68
T39520		0.13	<10	<10	88	<10	69
T39521		0.18	<10	<10	95	<10	81
T39522		0.04	<10	<10	57	<10	52
T39523		0.23	<10	<10	122	<10	104
T39524		0.09	<10	<10	61	<10	52
T39525		0.15	<10	<10	99	10	90
T39526		0.18	<10	<10	88	<10	73
T39527		0.23	<10	10	118	<10	87
T39528		0.15	<10	<10	104	<10	79
T39529		0.15	<10	<10	95	<10	82
T39530		0.26	<10	<10	99	<10	86
T39531		0.09	<10	<10	70	<10	60
T39532		0.19	<10	10	103	<10	78
T39533		0.21	<10	<10	93	<10	75
T39534		0.13	<10	<10	91	<10	86
T39535		0.16	<10	<10	92	<10	79
T39536		0.16	<10	<10	97	<10	71
T39537		0.15	<10	<10	87	<10	66
T39538		0.19	<10	<10	91	<10	71
T39539		0.10	<10	<10	76	<10	74
T39540		0.14	<10	<10	94	<10	79
T39541		0.20	<10	<10	90	<10	72
T39542		0.20	<10	<10	97	<10	73
T39543		0.22	<10	<10	99	<10	78
T39544		0.12	<10	<10	87	<10	72
T39545		0.19	<10	<10	93	<10	74
T39546		0.20	<10	<10	95	<10	77
T39547		0.14	<10	<10	89	<10	65
BB25971		0.19	<10	<10	97	<10	77
BB25972		0.19	<10	<10	94	<10	73
BB25973		0.18	<10	<10	89	<10	71
BB25974		0.18	<10	<10	99	<10	81



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

0: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 3 - C

es: 4 (A - C)

Date: 9-Sep-2002

Account: MPM

Project: Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
BB25975		0.17	<10	<10	93	<10	73
BB25976		0.16	<10	<10	89	<10	71
BB25977		0.19	<10	<10	97	<10	75
BB25978		0.17	<10	<10	92	<10	75
BB25979		0.20	<10	10	98	<10	73
BB25980		0.24	<10	10	130	<10	88
BB25981		0.03	<10	<10	18	<10	10
BB25982		0.11	<10	<10	68	<10	52
BB25983		0.06	<10	<10	43	<10	21
BB25984		0.17	<10	<10	81	<10	65
BB25985		0.27	<10	<10	103	<10	86
BB25986		0.25	<10	<10	111	<10	85
BB25987		0.13	<10	<10	91	<10	82
BB25988		0.21	<10	<10	117	<10	89
BB25989		0.20	<10	<10	112	10	95
BB25990		0.18	<10	<10	96	<10	72
BB25991		0.23	<10	<10	117	<10	84
BB25992		0.12	<10	<10	84	<10	69
BB25993		0.03	<10	<10	15	<10	9
BB25994		0.03	<10	<10	17	<10	14
BB27234		0.23	<10	<10	109	<10	94
BB27235		0.20	<10	<10	100	<10	86
BB27236		0.19	<10	10	91	<10	75
BB27237		0.17	<10	<10	101	<10	97
BB27238		0.21	<10	10	107	<10	81
BB27239		0.18	<10	10	104	<10	69
BB27240		0.23	<10	<10	104	<10	84
BB27241		0.24	<10	<10	116	<10	97
BB27242		0.23	<10	<10	106	<10	88
BB27243		0.25	<10	<10	77	<10	86
BB27244		0.15	<10	<10	96	<10	77
BB27245		0.10	<10	<10	80	<10	82
BB27246		0.22	<10	10	98	<10	78
BB27247		0.22	<10	10	113	<10	99
BB27248		0.09	<10	<10	68	<10	62
BB27249		0.14	<10	<10	99	<10	83
BB27250		0.21	<10	<10	96	<10	81
BB27251		0.23	<10	<10	86	<10	82
BB27252		0.16	<10	<10	78	<10	64
BB27253		0.21	<10	<10	96	<10	87



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page # : 4 - C

es : 4 (A - C)

Date : 9-Sep-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02003065

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
BB27227		0.20	<10	<10	110	<10	102



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

TO: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - A

es: 2 (A - C)

Date: 28-Aug-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02002814

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
Sample Description															
BB 27222	0.52	0.171	0.3	1.62	503	<10	160	0.7	<2	0.53	0.8	18	28	89	2.49
BB 27223	0.58	5.23	3.1	2.39	>10000	<10	290	1.7	8	0.84	3.2	57	68	206	10.35
BB 27224	0.46	0.018	0.4	2.06	146	<10	170	0.6	4	0.83	0.5	12	69	61	3.15
BB 27225	0.54	<0.005	0.6	3.86	69	<10	300	1.1	<2	1.21	0.9	19	161	80	5.53
BB 27226	0.50	<0.005	0.5	3.65	63	<10	340	1.1	<2	1.31	0.8	20	149	81	5.12



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - B

es: 2 (A - C)

Date: 28-Aug-2002

Account: MPM

Project: Ruby Range

CERTIFICATE OF ANALYSIS

VA02002814

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
BB 27222		<10	<1	0.23	<10	0.61	968	1	0.02	16	590	8	0.01	3	5
BB 27223		10	<1	0.33	<10	0.90	1510	2	0.03	135	1580	28	0.04	9	8
BB 27224		10	<1	0.52	<10	1.32	436	1	0.03	50	940	3	0.02	<2	5
BB 27225		10	<1	1.09	<10	2.32	373	<1	0.05	73	1270	4	<0.01	<2	20
BB 27226		10	<1	1.08	<10	2.07	548	<1	0.04	84	1430	3	0.01	<2	15



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - C

es : 2 (A - C)

Date : 28-Aug-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02002814

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	As-AA46
	Analyte	Ti	Ti	U	V	W	Zn	As
	Units	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.01	10	10	1	10	2	0.01
BB 27222		0.03	<10	<10	39	<10	99	
BB 27223		0.07	<10	<10	93	110	173	3.44
BB 27224		0.21	<10	<10	89	<10	73	
BB 27225		0.40	<10	<10	214	<10	133	
BB 27226		0.37	<10	<10	187	<10	134	



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221

Fax: 604 984 0218

o: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # o

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - A

es : 3 (A - C)

Date : 29-Aug-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02002813

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
M11551		1.70	0.19	<0.2	1.84	1130	<10	50	<0.5	<2	0.22	<0.5	5	142	27	3.35
M11552		1.08	7.14	0.5	1.02	7040	<10	60	<0.5	5	0.07	<0.5	<1	176	10	2.23
M11553		1.52	1.78	<0.2	2.07	4680	<10	140	<0.5	<2	0.21	<0.5	2	139	19	4.28
M11554		0.64	1.51	<0.2	2.47	2570	<10	130	<0.5	2	0.31	<0.5	4	138	24	4.38
M11555		1.78	2.60	0.2	2.73	4570	<10	200	<0.5	3	0.20	1.1	7	149	31	4.91
M11556		0.86	0.09	<0.2	2.37	338	<10	300	<0.5	<2	0.21	<0.5	9	144	30	3.50
M11557		0.36	0.14	<0.2	1.91	120	<10	210	<0.5	<2	0.30	<0.5	7	145	21	3.00
M11558		0.78	0.02	<0.2	3.41	1420	<10	340	<0.5	8	0.52	1.6	20	379	32	4.75
M11559		0.74	0.55	0.3	1.60	>10000	<10	30	<0.5	19	0.21	<0.5	2	238	3	5.46
M11560		0.74	0.04	<0.2	4.39	3220	<10	370	<0.5	<2	0.98	2.1	39	369	61	4.87
M11561		0.70	1.38	0.4	4.00	2790	<10	160	<0.5	4	0.88	2.0	32	67	41	5.36
M11562		0.62	0.32	0.4	3.13	>10000	<10	70	<0.5	11	0.87	2.4	7	126	16	6.10
M11563		1.10	0.04	<0.2	4.33	7170	<10	160	<0.5	3	1.47	1.6	14	57	53	3.85
M11564		1.68	3.40	<0.2	2.65	3490	<10	220	<0.5	12	0.25	0.9	21	165	58	4.78
M11565		1.36	0.38	0.2	3.34	3550	<10	130	<0.5	2	0.94	0.9	16	131	33	4.32
M11566		2.62	0.08	<0.2	2.13	1110	<10	80	<0.5	6	0.21	<0.5	8	119	39	4.12
M11567		2.26	0.05	<0.2	2.40	407	<10	150	<0.5	4	0.22	<0.5	10	113	34	4.13
M11568		11.02	1.70	<0.2	1.90	3420	<10	50	<0.5	3	0.30	<0.5	8	137	26	3.57
M11569		3.80	0.19	<0.2	3.10	4250	<10	100	<0.5	<2	0.70	1.3	19	131	53	4.63
M11570		2.70	0.32	<0.2	2.67	7350	<10	60	<0.5	<2	0.69	<0.5	12	143	33	3.83
M11571		2.38	0.29	<0.2	2.24	2430	<10	60	<0.5	3	0.30	<0.5	11	111	47	4.19
M11572		0.80	0.20	<0.2	2.27	1715	<10	70	<0.5	3	0.28	<0.5	10	139	44	4.09
M11573		0.40	0.05	<0.2	2.44	502	<10	90	<0.5	<2	0.25	<0.5	8	163	52	4.55
M11574		2.72	0.01	<0.2	2.52	143	<10	100	<0.5	2	0.45	<0.5	14	152	24	4.10
M11575		0.74	0.07	<0.2	2.15	628	<10	90	<0.5	<2	0.28	<0.5	4	138	40	4.60
M11576		0.80	0.01	<0.2	2.53	85	<10	100	<0.5	6	0.24	<0.5	7	159	37	4.13
M11577		2.10	0.99	<0.2	2.74	2670	<10	100	<0.5	3	0.16	0.5	9	168	39	4.77
M11578		2.34	1.21	<0.2	0.71	9290	<10	20	<0.5	<2	0.19	<0.5	1	147	<1	1.99
M11579		1.90	0.96	<0.2	1.95	6900	<10	110	<0.5	<2	0.27	<0.5	8	142	23	3.92
M11580		1.08	0.07	<0.2	5.21	6260	<10	170	<0.5	<2	1.49	2.3	15	77	21	4.32
M11581		2.24	5.21	0.2	2.51	5820	<10	250	<0.5	7	0.22	<0.5	10	179	28	4.17
M11582		1.66	14.95	2.2	0.37	6920	<10	30	<0.5	<2	0.04	<0.5	<1	162	<1	1.29
M11583		0.88	3.25	0.6	2.41	5370	<10	270	<0.5	4	0.17	1.6	5	169	13	4.28
M11584		3.30	0.33	<0.2	1.13	6360	<10	160	<0.5	3	0.23	<0.5	<1	78	10	2.19
M11585		2.92	0.04	<0.2	2.14	441	<10	80	<0.5	<2	1.71	<0.5	3	81	54	2.78
M11586		2.80	1.16	<0.2	2.54	2650	<10	170	<0.5	3	0.25	0.7	9	169	25	4.29
M11587		3.18	1.28	0.2	2.30	8500	<10	210	<0.5	<2	0.20	<0.5	6	156	21	3.99
M11588		1.24	0.02	0.2	2.82	431	<10	150	<0.5	<2	0.32	<0.5	4	134	47	4.43
M11589		2.64	0.08	<0.2	3.04	273	<10	130	0.6	<2	0.33	<0.5	23	129	63	4.99
M11590		1.50	0.10	0.4	2.81	764	<10	80	0.6	<2	0.39	<0.5	43	100	74	5.18



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

0: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page # : 3 - A

es : 3 (A - C)

Date : 29-Aug-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02002813

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
Sample Description															
M11591	2.20	0.13	0.2	2.78	825	<10	90	<0.5	<2	0.23	<0.5	3	127	34	4.88
M11592	1.06	0.21	0.4	2.88	4700	<10	180	0.5	<2	0.92	0.7	19	132	147	5.29
M11593	1.26	0.05	0.4	3.11	1015	<10	270	0.6	2	0.95	<0.5	15	138	77	4.30



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

o: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total #

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page #: 2 - B

es: 3 (A - C)

Date : 29-Aug-2002

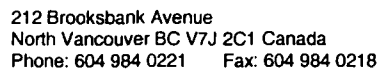
Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02002813

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
M11551		<10	<1	0.13	<10	0.92	473	<1	0.04	35	640	<2	0.05	<2	4	11
M11552		<10	<1	0.09	<10	0.50	186	1	0.02	17	340	<2	0.13	<2	2	23
M11553		<10	<1	0.28	<10	1.10	428	<1	0.05	20	960	<2	0.28	<2	5	20
M11554		<10	<1	0.29	<10	1.34	486	<1	0.04	26	860	4	0.17	<2	6	27
M11555		<10	<1	0.53	<10	1.57	594	1	0.04	30	840	2	0.24	<2	8	7
M11556		<10	<1	0.62	<10	0.87	471	1	0.03	33	760	<2	0.01	<2	8	8
M11557		<10	<1	0.49	<10	0.73	377	<1	0.05	24	880	<2	<0.01	<2	6	20
M11558		<10	<1	0.63	<10	2.73	538	<1	0.09	71	970	<2	<0.01	<2	9	32
M11559		<10	<1	0.22	<10	1.22	397	2	0.01	18	440	<2	0.93	3	5	30
M11560		10	<1	0.82	<10	2.83	592	1	0.24	94	1060	<2	0.10	<2	10	96
M11561		10	<1	0.12	<10	2.09	1210	1	0.09	67	930	<2	<0.01	<2	10	156
M11562		<10	<1	0.29	<10	2.15	686	1	0.06	19	710	<2	0.42	4	11	141
M11563		10	<1	0.37	<10	1.76	582	<1	0.36	27	1190	<2	0.17	<2	6	264
M11564		<10	<1	0.47	<10	1.30	597	1	0.03	67	860	<2	0.10	<2	7	19
M11565		10	<1	0.32	<10	1.63	500	<1	0.17	56	1860	<2	0.07	<2	8	123
M11566		<10	<1	0.19	<10	1.06	403	1	0.05	46	750	<2	0.07	<2	4	46
M11567		<10	<1	0.32	<10	1.11	485	<1	0.05	42	740	<2	<0.01	<2	5	13
M11568		<10	<1	0.11	<10	1.01	443	<1	0.03	44	770	2	0.03	<2	4	33
M11569		<10	<1	0.20	<10	1.80	890	<1	0.11	47	930	2	0.09	<2	8	108
M11570		<10	<1	0.15	<10	1.08	491	<1	0.05	56	980	<2	0.17	<2	6	251
M11571		<10	<1	0.14	<10	1.16	721	<1	0.02	48	760	4	0.01	2	4	21
M11572		<10	<1	0.17	<10	1.14	669	<1	0.04	45	790	4	0.01	<2	4	19
M11573		<10	<1	0.21	<10	1.24	507	2	0.03	46	790	4	0.07	7	5	9
M11574		<10	<1	0.20	<10	1.29	630	<1	0.05	49	1150	5	0.03	<2	5	14
M11575		<10	<1	0.17	<10	1.09	391	1	0.03	48	670	5	0.10	6	3	105
M11576		<10	<1	0.20	<10	1.24	482	<1	0.04	34	810	4	0.02	<2	5	25
M11577		<10	<1	0.22	<10	1.49	599	1	0.03	44	690	<2	0.11	<2	6	11
M11578		<10	<1	0.07	<10	0.42	179	<1	0.02	15	680	<2	0.27	<2	2	12
M11579		<10	<1	0.30	<10	1.14	399	1	0.03	34	1090	2	0.28	<2	5	8
M11580		10	<1	0.48	<10	2.33	518	<1	0.35	19	1270	4	0.25	<2	10	253
M11581		<10	<1	0.69	<10	1.35	483	<1	0.05	38	580	2	0.21	<2	8	14
M11582		<10	<1	0.06	<10	0.20	67	<1	0.01	6	60	<2	0.17	<2	1	2
M11583		<10	<1	0.64	<10	1.31	448	1	0.04	32	680	3	0.23	<2	8	18
M11584		<10	<1	0.50	<10	0.57	258	1	0.10	3	460	<2	0.20	<2	4	23
M11585		<10	<1	0.35	10	0.40	269	<1	0.15	10	390	<2	0.49	<2	3	173
M11586		<10	<1	0.43	<10	1.28	467	1	0.05	38	890	2	0.05	<2	7	27
M11587		10	<1	0.46	<10	1.15	375	1	0.07	35	700	5	0.28	<2	8	46
M11588		10	<1	0.42	<10	1.20	560	1	0.05	36	1090	6	0.03	<2	9	36
M11589		10	<1	0.27	<10	1.54	817	1	0.04	77	980	8	0.01	<2	9	24
M11590		10	1	0.17	<10	1.26	1805	1	0.03	107	1150	12	0.04	9	6	62



C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Account: MPM

Project : Ruby Range

VA02002813

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M11591		10	<1	0.20	<10	1.21	515	1	0.06	35	920	12	0.15	3	7	45
M11592		10	<1	0.54	<10	1.97	743	<1	0.10	63	880	8	0.15	<2	15	62
M11593		10	<1	0.98	<10	1.93	499	<1	0.14	49	810	4	0.12	<2	14	65



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

o: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # o

1016 - 510 W. HASTINGS ST.

VANCOUVER BC V6B 1L8

Page # : 2 - C

es : 3 (A - C)

Date : 29-Aug-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS

VA02002813

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	As-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	As % 0.01
M11551		0.01	<10	<10	63	10	62	
M11552		0.01	<10	<10	42	10	26	
M11553		0.03	<10	<10	89	10	63	
M11554		0.03	<10	<10	112	10	76	
M11555		0.08	<10	<10	132	10	86	
M11556		0.17	<10	<10	100	10	73	
M11557		0.17	<10	<10	87	10	59	
M11558		0.11	<10	<10	142	10	106	
M11559		0.01	<10	<10	67	10	65	4.11
M11560		0.12	<10	<10	145	40	127	
M11561		0.02	<10	<10	142	20	116	
M11562		0.02	<10	<10	145	30	101	3.28
M11563		0.04	<10	<10	118	40	84	
M11564		0.08	<10	<10	126	10	112	
M11565		0.04	<10	<10	124	30	115	
M11566		0.01	<10	<10	82	10	84	
M11567		0.04	<10	<10	95	10	91	
M11568		0.01	<10	<10	76	10	81	
M11569		0.02	<10	<10	127	240	102	
M11570		0.01	<10	<10	92	160	77	
M11571		0.01	<10	<10	73	10	86	
M11572		0.01	<10	<10	76	10	83	
M11573		0.02	<10	<10	101	10	78	
M11574		0.02	<10	<10	104	10	96	
M11575		0.01	<10	<10	78	10	82	
M11576		0.02	<10	<10	105	10	70	
M11577		0.02	<10	<10	136	30	84	
M11578		<0.01	<10	<10	34	10	18	
M11579		0.04	<10	<10	96	10	66	
M11580		0.04	<10	<10	146	60	82	
M11581		0.12	<10	<10	128	100	77	
M11582		0.01	<10	<10	17	270	2	
M11583		0.11	<10	<10	125	30	84	
M11584		0.10	<10	<10	39	10	29	
M11585		0.16	<10	<10	52	10	30	
M11586		0.06	<10	<10	119	10	89	
M11587		0.07	<10	<10	112	<10	76	
M11588		0.08	<10	<10	123	<10	74	
M11589		0.04	<10	<10	124	<10	133	
M11590		0.01	<10	<10	98	<10	213	



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO AND ASSOCIATES (1981) LTD. Total # of
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Page # : 3 - C

Pages : 3 (A - C)

Date : 29-Aug-2002

Account: MPM

Project : Ruby Range

CERTIFICATE OF ANALYSIS VA02002813

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	As-AA46
	Analyte	Ti	Ti	U	V	W	Zn	As
	Units	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.01	10	10	1	10	2	0.01
M11591		0.02	<10	<10	113	<10	76	
M11592		0.10	<10	<10	168	20	82	
M11593		0.19	<10	<10	165	10	70	



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

o: CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY

Comments:

Page Number : 1-A
Total : 1
Certificate Date: 23-JUL-2002
Invoice No. : 10220103
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220103

SAMPLE	PREP CODE	Weight Kg	Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
M011501	94139402	2.86	0.48	1.6	0.05	7870	< 10	30	< 0.5	2	0.09	0.5	2	157	55	1.01	< 10	< 1	0.01	< 10
M011502	94139402	2.84	0.01	< 0.2	0.07	48	< 10	< 10	< 0.5	2	0.01	< 0.5	< 1	158	6	0.27	< 10	< 1	0.02	< 10

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

o: CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY

Comments:

Page: 1-B
Total: 1
Certificate Date: 23-JUL-2002
Invoice No.: I0220103
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220103

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
M011501	94139402	0.01	25	4	0.01	7	30	20	0.17	6	< 1	19	< 0.01	< 10	< 10	3	< 10	10
M011502	94139402	0.01	25	< 1	0.01	6	50	< 2	< 0.01	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	2

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY

Comments:

Page : 1-A
Total : 6
Certificate Date: 29-JUL-2002
Invoice No. : I0220101
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
BB27001	94069407	0.26	18 < 0.2	2.07	208	< 10	170	< 0.5	< 2	0.39	< 0.5	12	60	34	2.68	< 10	< 1	0.35	< 10	
BB27002	94069407	0.10	16 < 0.2	1.01	348	< 10	150	< 0.5	2	1.10	0.5	5	24	172	0.86	< 10	< 1	0.09	< 10	
BB27003	94069407	0.20	8 < 0.2	1.28	1340	< 10	200	< 0.5	< 2	1.69	< 0.5	33	27	74	4.57	< 10	< 1	0.11	< 10	
BB27004	94069407	0.24	22 < 0.2	2.35	452	< 10	200	< 0.5	< 2	0.31	< 0.5	14	63	54	2.95	< 10	< 1	0.46	< 10	
BB27005	94069407	0.26	16 < 0.2	2.20	94	< 10	80	< 0.5	< 2	0.23	< 0.5	13	59	34	3.37	< 10	< 1	0.12	< 10	
BB27006	94069407	0.26	20 < 0.2	1.87	140	< 10	120	< 0.5	< 2	0.25	< 0.5	11	47	25	2.33	< 10	< 1	0.23	< 10	
BB27007	94069407	0.30	32 < 0.2	2.35	108	< 10	190	< 0.5	< 2	0.32	< 0.5	19	58	30	3.64	< 10	< 1	0.10	< 10	
BB27008	94069407	0.26	9 < 0.2	3.16	114	< 10	120	< 0.5	< 2	0.27	< 0.5	13	63	45	3.01	< 10	< 1	0.21	< 10	
BB27009	94069407	0.30	8 < 0.2	1.71	170	< 10	110	< 0.5	< 2	0.31	< 0.5	11	49	27	2.74	< 10	< 1	0.17	< 10	
BB27010	94069407	0.22	19 < 0.2	2.53	340	< 10	100	0.5	< 2	0.46	< 0.5	18	93	59	3.43	< 10	< 1	0.09	< 10	
BB27011	94069407	0.24	17 < 0.2	1.76	240	< 10	150	< 0.5	< 2	0.64	< 0.5	11	51	62	2.90	< 10	< 1	0.28	< 10	
BB27012	94069407	0.28	13 < 0.2	2.07	402	< 10	300	< 0.5	< 2	1.11	< 0.5	17	51	38	3.40	< 10	< 1	0.50	10	
BB27013	94069407	0.38	100 < 0.2	2.08	380	< 10	100	< 0.5	< 2	0.36	< 0.5	16	53	38	2.63	< 10	< 1	0.33	< 10	
BB27014	94069407	0.20	14 < 0.2	1.64	176	< 10	160	< 0.5	2	1.26	< 0.5	10	48	54	2.37	< 10	< 1	0.19	< 10	
BB27015	94069407	0.24	13 < 0.2	2.28	1040	< 10	50	0.5	< 2	0.31	< 0.5	18	57	81	3.52	< 10	< 1	0.08	< 10	
BB27016	94069407	0.26	10 < 0.2	2.48	326	< 10	80	0.5	< 2	0.26	< 0.5	20	56	73	3.28	< 10	< 1	0.09	< 10	
BB27017	94069407	0.26	13 < 0.2	1.70	252	< 10	130	< 0.5	< 2	0.45	< 0.5	10	46	30	2.41	< 10	< 1	0.10	< 10	
BB27018	94069407	0.32	66 < 0.2	2.06	314	< 10	130	< 0.5	< 2	0.69	< 0.5	15	61	68	2.75	< 10	< 1	0.26	< 10	
BB27019	94069407	0.32	7 < 0.2	1.88	78	< 10	180	< 0.5	< 2	0.37	< 0.5	11	48	28	2.63	< 10	< 1	0.11	< 10	
BB27020	94069407	0.28	33 < 0.2	2.86	156	< 10	70	< 0.5	< 2	0.30	< 0.5	18	129	37	3.02	< 10	< 1	0.32	< 10	
BB27021	94069407	0.22	4 < 0.2	1.42	156	< 10	280	< 0.5	< 2	0.92	< 0.5	11	42	67	2.28	< 10	< 1	0.06	< 10	
BB27022	94069407	0.20	16 < 0.2	2.40	82	< 10	60	0.5	< 2	0.21	< 0.5	15	54	34	3.15	< 10	< 1	0.11	< 10	
BB27023	94069407	0.34	8 < 0.2	2.11	66	< 10	100	< 0.5	< 2	0.25	< 0.5	9	53	41	2.51	< 10	< 1	0.16	< 10	
BB27024	94069407	0.12	6 < 0.2	0.52	38	< 10	50	< 0.5	< 2	0.96	< 0.5	4	13	28	0.56	< 10	< 1	0.03	< 10	
BB27025	94069407	0.28	13 < 0.2	2.33	32	< 10	210	< 0.5	< 2	0.57	< 0.5	14	53	71	2.89	< 10	< 1	0.34	< 10	
BB27026	94069407	0.34	10 < 0.2	1.88	64	< 10	220	< 0.5	< 2	0.60	< 0.5	11	51	28	2.77	< 10	< 1	0.11	< 10	
BB27027	94069407	0.24	15 < 0.2	1.69	98	< 10	160	< 0.5	< 2	0.53	< 0.5	13	50	41	2.45	< 10	< 1	0.46	< 10	
BB27028	94069407	0.30	9 < 0.2	1.49	76	< 10	160	< 0.5	< 2	0.50	< 0.5	10	45	28	2.23	< 10	< 1	0.34	< 10	
BB27029	94069407	0.20	6 < 0.2	0.77	16	< 10	340	< 0.5	4	2.38	< 0.5	5	21	40	1.26	< 10	< 1	0.04	< 10	
BB27030	94069407	0.34	14 < 0.2	2.27	90	< 10	110	< 0.5	< 2	0.32	< 0.5	15	56	42	3.01	< 10	< 1	0.35	< 10	
BB27031	94069407	0.24	11 < 0.2	2.69	94	< 10	120	< 0.5	< 2	0.34	< 0.5	16	81	37	3.85	< 10	< 1	0.36	< 10	
BB27032	94069407	0.28	9 < 0.2	2.14	104	< 10	160	< 0.5	2	0.43	< 0.5	13	57	41	2.74	< 10	< 1	0.35	< 10	
BB27033	94069407	0.34	6 < 0.2	2.23	64	< 10	240	< 0.5	< 2	0.39	< 0.5	15	58	29	3.10	< 10	< 1	0.18	< 10	
BB27034	94069407	0.40	21 < 0.2	2.06	106	< 10	210	< 0.5	< 2	0.53	< 0.5	14	109	37	2.84	< 10	< 1	0.39	< 10	
BB27035	94069407	0.32	18 < 0.2	1.51	38	< 10	110	< 0.5	< 2	0.26	< 0.5	9	41	17	2.12	< 10	< 1	0.17	< 10	
BB27036	94069407	0.26	5 < 0.2	2.39	130	< 10	80	< 0.5	< 2	0.28	< 0.5	12	62	28	2.96	< 10	< 1	0.22	< 10	
BB27037	94069407	0.28	46 < 0.2	1.53	88	< 10	150	< 0.5	< 2	0.36	< 0.5	10	42	21	2.11	< 10	< 1	0.25	< 10	
BB27038	94069407	0.34	10 < 0.2	2.07	108	< 10	130	< 0.5	< 2	0.27	< 0.5	12	53	31	2.61	< 10	< 1	0.22	< 10	
BB27039	94069407	0.16	4 < 0.2	0.64	118	< 10	100	< 0.5	< 2	2.28	< 0.5	3	20	42	1.08	< 10	< 1	0.07	< 10	
BB27040	94069407	0.34	3 < 0.2	1.90	76	< 10	180	< 0.5	< 2	0.32	< 0.5	14	50	25	2.83	< 10	< 1	0.09	< 10	

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY
Comments:

Page : 1-B
Total : 6
Certificate Date: 29-JUL-2002
Invoice No. : 10220101
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27001	94069407	0.90	225	1	0.03	39	670	6	0.03	< 2	6	29	0.14	< 10	< 10	83	< 10	54
BB27002	94069407	0.31	65	4	0.02	37	800	2	0.80	2	2	59	0.05	< 10	< 10	36	< 10	28
BB27003	94069407	0.42	1080	4	0.03	44	1350	6	0.21	< 2	1	97	0.04	< 10	< 10	67	< 10	42
BB27004	94069407	0.93	310	< 1	0.05	65	560	2	0.01	< 2	7	37	0.14	< 10	< 10	81	< 10	66
BB27005	94069407	0.86	265	< 1	0.01	46	330	6	0.01	2	6	19	0.14	< 10	< 10	88	< 10	80
BB27006	94069407	0.71	245	< 1	0.03	32	480	2	0.01	< 2	5	19	0.10	< 10	< 10	65	< 10	46
BB27007	94069407	0.81	450	1	0.02	37	390	8	0.01	2	5	24	0.12	< 10	< 10	88	< 10	72
BB27008	94069407	0.91	275	< 1	0.02	48	400	4	0.04	< 2	6	20	0.13	< 10	< 10	85	< 10	56
BB27009	94069407	0.79	235	< 1	0.02	32	420	6	0.01	< 2	4	24	0.11	< 10	< 10	67	< 10	56
BB27010	94069407	1.04	325	1	0.03	73	550	8	0.05	< 2	4	33	0.12	< 10	< 10	98	< 10	88
BB27011	94069407	0.89	375	< 1	0.02	40	1010	4	0.07	< 2	4	48	0.08	< 10	< 10	67	< 10	74
BB27012	94069407	1.40	560	< 1	0.03	43	3510	6	0.02	2	7	129	0.15	< 10	< 10	92	< 10	96
BB27013	94069407	0.76	265	< 1	0.03	44	880	4	0.01	< 2	5	25	0.11	< 10	< 10	69	< 10	52
BB27014	94069407	0.67	270	< 1	0.03	36	1230	2	0.21	< 2	3	66	0.07	< 10	< 10	59	< 10	50
BB27015	94069407	0.66	230	1	0.02	48	340	8	0.02	< 2	5	22	0.11	< 10	< 10	77	< 10	64
BB27016	94069407	0.77	190	1	0.03	51	320	8	0.01	2	5	21	0.12	< 10	< 10	80	< 10	66
BB27017	94069407	0.71	190	1	0.03	31	1000	2	0.04	< 2	4	30	0.10	< 10	< 10	63	< 10	50
BB27018	94069407	0.88	215	1	0.05	39	1130	2	0.10	< 2	5	52	0.13	< 10	< 10	74	< 10	76
BB27019	94069407	0.75	225	1	0.02	31	880	2	0.01	< 2	4	25	0.10	< 10	< 10	68	< 10	58
BB27020	94069407	1.46	270	< 1	0.04	55	640	2	0.01	< 2	5	29	0.13	< 10	< 10	75	< 10	50
BB27021	94069407	0.51	325	1	0.03	54	920	4	0.15	< 2	2	62	0.06	< 10	< 10	60	< 10	38
BB27022	94069407	0.77	280	2	0.02	50	310	4	0.03	< 2	5	15	0.12	< 10	< 10	80	< 10	78
BB27023	94069407	0.84	220	< 1	0.03	32	490	2	0.01	< 2	5	20	0.12	< 10	< 10	67	< 10	46
BB27024	94069407	0.17	30	3	0.02	16	770	2	0.52	< 2	< 1	36	0.04	< 10	< 10	27	< 10	8
BB27025	94069407	0.96	225	< 1	0.05	40	780	4	0.01	< 2	8	56	0.11	< 10	< 10	82	< 10	66
BB27026	94069407	0.76	310	< 1	0.04	31	600	2	0.01	< 2	5	33	0.11	< 10	< 10	74	< 10	52
BB27027	94069407	0.78	275	< 1	0.04	44	960	2	0.02	< 2	5	33	0.11	< 10	< 10	67	< 10	52
BB27028	94069407	0.73	240	< 1	0.04	29	1050	2	< 0.01	< 2	5	32	0.10	< 10	< 10	63	< 10	46
BB27029	94069407	0.33	90	< 1	0.03	20	690	2	0.28	< 2	1	94	0.03	< 10	< 10	31	< 10	30
BB27030	94069407	0.89	295	1	0.03	38	780	4	0.01	< 2	6	23	0.13	< 10	< 10	80	< 10	60
BB27031	94069407	1.08	285	1	0.03	54	430	8	0.01	< 2	7	27	0.16	< 10	< 10	104	< 10	68
BB27032	94069407	0.87	310	< 1	0.04	40	970	4	< 0.01	< 2	6	25	0.13	< 10	< 10	77	< 10	54
BB27033	94069407	0.92	350	< 1	0.03	41	700	2	< 0.01	< 2	7	27	0.15	< 10	< 10	84	< 10	58
BB27034	94069407	1.12	340	< 1	0.04	48	930	2	0.01	2	5	35	0.13	< 10	< 10	75	< 10	62
BB27035	94069407	0.66	235	< 1	0.02	27	550	2	< 0.01	< 2	5	17	0.10	< 10	< 10	57	< 10	42
BB27036	94069407	0.86	210	< 1	0.03	38	350	6	0.01	< 2	7	19	0.14	< 10	< 10	87	< 10	54
BB27037	94069407	0.68	235	1	0.03	31	940	2	< 0.01	< 2	4	24	0.10	< 10	< 10	59	< 10	42
BB27038	94069407	0.77	215	< 1	0.03	37	590	2	0.01	6	5	22	0.12	< 10	< 10	71	< 10	48
BB27039	94069407	0.31	110	1	0.02	32	900	2	0.27	< 2	< 1	94	0.03	< 10	< 10	23	< 10	24
BB27040	94069407	0.72	445	1	0.02	32	660	6	< 0.01	2	5	21	0.11	< 10	< 10	73	< 10	56

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY
Comments:

Page: 2-A
Total: 6
Certificate Date: 29-JUL-2002
Invoice No.: 10220101
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
BB27041	94069407	0.22	8	< 0.2	1.00	538	< 10	190	< 0.5	< 2	1.33	< 0.5	8	28	44	1.97	< 10	< 1	0.07	< 10
BB27042	94069407	0.24	46	< 0.2	2.06	1930	< 10	120	0.5	< 2	0.94	< 0.5	10	59	89	4.50	< 10	< 1	0.11	< 10
BB27043	94069407	0.28	52	< 0.2	1.87	560	< 10	160	< 0.5	< 2	0.62	< 0.5	21	65	59	2.88	< 10	< 1	0.32	< 10
BB27044	94069407	0.30	16	< 0.2	1.49	562	< 10	90	< 0.5	< 2	0.52	< 0.5	13	48	45	2.66	< 10	< 1	0.23	< 10
BB27045	94069407	0.16	14	0.2	1.62	820	< 10	70	0.5	< 2	0.77	< 0.5	19	39	125	2.65	< 10	< 1	0.15	< 10
BB27046	94069407	0.20	11	< 0.2	1.95	326	< 10	70	< 0.5	< 2	0.20	< 0.5	17	50	26	3.79	< 10	< 1	0.09	< 10
BB27047	94069407	0.24	148	< 0.2	2.22	116	< 10	90	< 0.5	< 2	0.28	< 0.5	12	74	20	3.29	< 10	< 1	0.48	< 10
BB27048	94069407	0.22	10	< 0.2	1.76	84	< 10	100	< 0.5	< 2	0.29	< 0.5	10	46	34	2.93	< 10	< 1	0.13	< 10
BB27049	94069407	0.22	8	< 0.2	1.70	70	< 10	100	< 0.5	< 2	0.21	< 0.5	9	45	20	2.61	< 10	< 1	0.19	< 10
BB27050	94069407	0.16	14	< 0.2	2.42	236	< 10	160	< 0.5	2	0.40	< 0.5	13	61	59	3.14	< 10	< 1	0.15	< 10
BB27051	94069407	0.32	16	< 0.2	2.53	174	< 10	120	< 0.5	< 2	0.35	< 0.5	14	59	27	3.06	< 10	< 1	0.27	< 10
BB27052	94069407	0.20	14	0.2	0.97	186	< 10	140	< 0.5	< 2	1.10	< 0.5	10	22	54	1.36	< 10	< 1	0.04	< 10
BB27053	94069407	0.22	7	< 0.2	2.31	102	< 10	90	< 0.5	< 2	0.20	< 0.5	12	61	21	2.99	< 10	< 1	0.25	< 10
BB27054	94069407	0.26	21	< 0.2	2.08	188	< 10	150	< 0.5	< 2	0.72	< 0.5	14	86	47	2.44	< 10	1	0.29	< 10
BB27055	94069407	0.20	17	< 0.2	2.28	120	< 10	150	< 0.5	2	0.33	< 0.5	13	51	31	2.91	< 10	1	0.14	< 10
BB27056	94069407	0.26	6	0.2	1.69	472	< 10	140	< 0.5	< 2	1.00	< 0.5	17	42	57	2.65	< 10	< 1	0.10	< 10
BB27057	94069407	0.18	6	< 0.2	2.46	382	< 10	80	< 0.5	< 2	0.42	< 0.5	20	69	106	3.42	< 10	2	0.32	< 10
BB27058	94069407	0.26	23	< 0.2	2.34	100	< 10	110	< 0.5	< 2	0.29	< 0.5	13	54	30	2.96	< 10	2	0.17	< 10
BB27059	94069407	0.26	11	< 0.2	2.22	110	< 10	220	< 0.5	< 2	0.34	< 0.5	18	51	53	3.16	< 10	3	0.11	< 10
BB27060	94069407	0.26	5	< 0.2	2.40	68	< 10	190	< 0.5	< 2	0.34	< 0.5	14	59	30	2.98	< 10	3	0.17	< 10
BB27061	94069407	0.14	42	< 0.2	2.06	124	< 10	110	< 0.5	< 2	0.32	< 0.5	13	51	35	2.91	< 10	< 1	0.16	< 10
BB27062	94069407	0.14	4	< 0.2	0.51	250	< 10	80	< 0.5	< 2	1.72	< 0.5	4	11	34	0.74	< 10	< 1	0.04	< 10
BB27063	94069407	0.22	5	< 0.2	1.57	82	< 10	100	< 0.5	< 2	0.28	< 0.5	9	42	13	2.28	< 10	< 1	0.24	< 10
BB27064	94069407	0.26	33	< 0.2	2.58	1310	< 10	180	< 0.5	< 2	0.51	< 0.5	16	33	61	4.96	< 10	1	0.63	< 10
BB27065	94069407	0.20	26	0.4	1.27	528	< 10	60	< 0.5	< 2	1.82	< 0.5	16	23	157	1.53	< 10	< 1	0.06	10
BB27066	94069407	0.22	18	< 0.2	4.18	262	< 10	440	< 0.5	< 2	0.83	< 0.5	13	25	138	6.95	10	4	1.85	< 10
BB27067	94069407	0.20	6	0.2	0.58	186	< 10	60	< 0.5	< 2	0.61	< 0.5	5	11	22	1.27	< 10	1	0.04	< 10
BB27068	94069407	0.06	< 6	< 0.2	0.50	40	< 10	100	< 0.5	6	1.28	< 0.5	3	10	36	0.72	< 10	< 1	0.04	< 10
BB27069	94069407	0.12	6	< 0.2	1.09	76	< 10	150	< 0.5	< 2	1.97	< 0.5	9	23	60	1.40	< 10	1	0.10	< 10
BB27070	94069407	0.20	9	< 0.2	1.81	128	< 10	160	< 0.5	< 2	0.53	< 0.5	11	45	22	2.47	< 10	1	0.19	< 10
BB27071	94069407	0.22	14	< 0.2	1.72	120	< 10	90	< 0.5	< 2	0.13	< 0.5	13	39	13	2.71	< 10	< 1	0.18	< 10
BB27072	94069407	0.28	31	< 0.2	1.86	394	< 10	100	< 0.5	< 2	0.37	< 0.5	11	43	20	2.31	< 10	1	0.27	< 10
BB27073	94069407	0.20	3	< 0.2	1.96	96	< 10	100	< 0.5	< 2	0.31	< 0.5	13	47	19	2.94	< 10	3	0.21	< 10
BB27074	94069407	0.18	4	< 0.2	1.99	510	< 10	170	< 0.5	< 2	0.76	< 0.5	16	48	61	3.04	< 10	< 1	0.26	< 10
BB27075	94069407	0.20	92	< 0.2	1.80	240	< 10	110	< 0.5	< 2	0.39	< 0.5	13	41	30	2.38	< 10	1	0.35	< 10
BB27076	94069407	0.22	38	< 0.2	1.66	120	< 10	120	< 0.5	< 2	0.33	< 0.5	9	46	17	2.25	< 10	< 1	0.30	< 10
BB27077	94069407	0.24	22	< 0.2	1.80	518	< 10	120	< 0.5	< 2	0.38	< 0.5	12	45	28	2.54	< 10	< 1	0.28	< 10
BB27078	94069407	0.16	33	0.2	2.72	1465	< 10	150	0.5	< 2	0.70	< 0.5	23	43	167	2.91	< 10	< 1	0.20	10
BB27079	94069407	0.28	14	< 0.2	2.02	96	< 10	170	< 0.5	< 2	0.35	< 0.5	11	47	27	2.34	< 10	< 1	0.09	< 10
BB27080	94069407	0.28	28	< 0.2	2.09	50	< 10	140	< 0.5	< 2	0.41	< 0.5	12	50	19	2.19	< 10	1	0.24	< 10

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY

Comments:

Page : 2-B
Total : 6
Certificate Date: 29-JUL-2002
Invoice No. : I0220101
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27041	94069407	0.37	150	2	0.02	34	860	2	0.15	< 2	1	76	0.04	< 10	< 10	46	< 10	34
BB27042	94069407	0.67	990	3	0.02	35	1760	12	0.21	6	4	48	0.06	< 10	< 10	91	< 10	62
BB27043	94069407	0.93	340	< 1	0.04	61	840	4	0.02	2	4	44	0.12	< 10	< 10	75	< 10	74
BB27044	94069407	0.81	375	< 1	0.03	42	580	4	0.03	< 2	3	36	0.09	< 10	< 10	57	< 10	86
BB27045	94069407	0.59	420	< 1	0.03	56	580	6	0.05	< 2	3	44	0.07	< 10	< 10	55	< 10	88
BB27046	94069407	0.73	235	1	0.01	42	190	10	0.01	2	4	16	0.12	< 10	< 10	86	< 10	90
BB27047	94069407	0.99	230	1	0.03	36	180	8	0.01	< 2	7	21	0.19	< 10	< 10	106	< 10	54
BB27048	94069407	0.64	185	1	0.01	29	190	8	0.01	< 2	4	21	0.11	< 10	< 10	77	< 10	48
BB27049	94069407	0.69	210	< 1	0.02	27	210	2	< 0.01	< 2	5	16	0.13	< 10	< 10	79	< 10	54
BB27050	94069407	0.88	290	1	0.03	45	500	6	0.02	< 2	7	27	0.16	< 10	< 10	94	< 10	68
BB27051	94069407	0.86	250	< 1	0.03	40	550	6	0.02	< 2	6	25	0.14	< 10	< 10	88	< 10	56
BB27052	94069407	0.30	330	< 1	0.01	36	790	2	0.13	2	1	52	0.03	< 10	< 10	33	< 10	54
BB27053	94069407	0.88	235	1	0.01	33	260	2	0.01	< 2	6	19	0.15	< 10	< 10	85	< 10	64
BB27054	94069407	0.91	230	< 1	0.04	43	740	< 2	0.04	2	4	44	0.12	< 10	< 10	78	< 10	54
BB27055	94069407	0.73	270	< 1	0.03	32	530	< 2	< 0.01	< 2	5	30	0.12	< 10	< 10	79	< 10	58
BB27056	94069407	0.55	810	3	0.02	39	1010	6	0.08	< 2	1	54	0.05	< 10	< 10	65	< 10	86
BB27057	94069407	1.06	310	< 1	0.03	74	290	6	0.01	< 2	6	31	0.14	< 10	< 10	85	< 10	144
BB27058	94069407	0.77	210	2	0.03	37	350	2	0.01	< 2	5	27	0.12	< 10	< 10	82	< 10	62
BB27059	94069407	0.75	625	1	0.02	39	360	6	< 0.01	< 2	6	29	0.11	< 10	< 10	82	< 10	62
BB27060	94069407	0.83	265	1	0.03	37	530	2	< 0.01	< 2	6	27	0.13	< 10	< 10	81	< 10	72
BB27061	94069407	0.74	205	< 1	0.03	36	600	4	0.01	< 2	4	33	0.13	< 10	< 10	75	< 10	64
BB27062	94069407	0.16	150	< 1	0.02	12	570	2	0.16	< 2	< 1	51	0.02	< 10	< 10	21	< 10	26
BB27063	94069407	0.64	210	2	0.02	20	250	4	0.01	< 2	4	20	0.12	< 10	< 10	66	< 10	60
BB27064	94069407	1.33	310	1	0.04	20	830	6	0.05	< 2	7	41	0.22	< 10	< 10	108	< 10	72
BB27065	94069407	0.28	405	3	0.02	24	1090	4	0.13	< 2	1	47	0.03	< 10	< 10	35	< 10	36
BB27066	94069407	2.59	385	4	0.03	13	2120	4	0.32	< 2	32	103	0.30	< 10	< 10	229	20	80
BB27067	94069407	0.16	195	< 1	0.03	8	580	2	0.04	< 2	1	31	0.05	< 10	< 10	35	< 10	26
BB27068	94069407	0.14	80	< 1	0.01	12	660	2	0.16	< 2	< 1	54	0.02	< 10	< 10	14	< 10	22
BB27069	94069407	0.31	395	1	0.02	22	870	2	0.12	< 2	1	52	0.04	< 10	< 10	34	< 10	36
BB27070	94069407	0.72	205	1	0.03	22	940	2	0.04	< 2	4	38	0.10	< 10	< 10	62	< 10	68
BB27071	94069407	0.60	200	< 1	0.01	26	190	8	< 0.01	< 2	4	12	0.11	< 10	< 10	66	< 10	48
BB27072	94069407	0.68	220	1	0.03	27	620	< 2	0.01	2	4	31	0.11	< 10	< 10	63	< 10	42
BB27073	94069407	0.76	220	3	0.02	29	280	2	< 0.01	< 2	4	23	0.12	< 10	< 10	76	< 10	56
BB27074	94069407	0.75	395	1	0.03	35	520	8	0.03	< 2	4	42	0.10	< 10	< 10	74	< 10	64
BB27075	94069407	0.61	195	< 1	0.03	34	970	< 2	0.01	< 2	4	30	0.09	< 10	< 10	58	< 10	44
BB27076	94069407	0.72	210	< 1	0.03	25	550	2	< 0.01	< 2	4	24	0.11	< 10	< 10	59	< 10	44
BB27077	94069407	0.70	245	1	0.03	32	800	6	0.01	< 2	4	26	0.11	< 10	< 10	62	< 10	48
BB27078	94069407	0.60	405	1	0.03	40	1130	8	0.04	< 2	4	42	0.07	< 10	< 10	65	< 10	54
BB27079	94069407	0.67	235	1	0.02	31	900	4	< 0.01	< 2	5	26	0.11	< 10	< 10	67	< 10	44
BB27080	94069407	0.73	195	1	0.05	31	460	2	< 0.01	< 2	5	40	0.12	< 10	< 10	61	< 10	48

CERTIFICATION: _____

+



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY

Comments:

Page: 3-A
Total: 6
Certificate Date: 29-JUL-2002
Invoice No.: I0220101
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
BB27081	94069407	0.24	8	< 0.2	2.22	86	< 10	70	< 0.5	< 2	0.23	< 0.5	12	48	21	2.82	< 10	2	0.15	< 10
BB27082	94069407	0.20	5	< 0.2	2.26	72	< 10	190	< 0.5	< 2	0.32	< 0.5	14	51	25	3.16	< 10	< 1	0.09	< 10
BB27083	94069407	0.18	6	< 0.2	2.39	238	< 10	130	< 0.5	< 2	0.34	< 0.5	12	55	27	2.79	< 10	< 1	0.21	< 10
BB27084	94069407	0.22	14	< 0.2	3.09	94	< 10	110	< 0.5	< 2	0.29	< 0.5	13	54	29	2.97	< 10	2	0.12	< 10
BB27085	94069407	0.20	4	< 0.2	2.28	50	< 10	180	< 0.5	< 2	0.39	< 0.5	17	99	28	3.42	< 10	1	0.16	< 10
BB27086	94069407	0.20	17	< 0.2	2.46	74	< 10	90	< 0.5	< 2	0.20	< 0.5	14	45	30	3.08	< 10	3	0.12	< 10
BB27087	94069407	0.30	14	< 0.2	2.51	218	< 10	150	< 0.5	< 2	0.50	< 0.5	14	62	33	3.03	< 10	3	0.38	< 10
BB27088	94069407	0.26	10	< 0.2	2.40	124	< 10	180	< 0.5	< 2	0.38	< 0.5	11	60	18	3.04	< 10	1	0.39	< 10
BB27089	94069407	0.18	7	< 0.2	1.89	152	< 10	80	< 0.5	< 2	0.16	< 0.5	12	46	21	3.05	< 10	< 1	0.13	< 10
BB27090	94069407	0.20	211	< 0.2	3.32	194	< 10	200	< 0.5	< 2	0.18	< 0.5	16	74	65	3.39	< 10	< 1	0.25	< 10
BB27091	94069407	0.26	14	< 0.2	2.47	176	< 10	170	< 0.5	< 2	0.40	< 0.5	13	49	29	2.53	< 10	3	0.26	< 10
BB27092	94069407	0.24	10	< 0.2	2.49	114	< 10	140	< 0.5	< 2	0.32	< 0.5	16	60	36	3.44	< 10	< 1	0.15	< 10
BB27093	94069407	0.28	10	< 0.2	2.00	276	< 10	120	< 0.5	< 2	0.30	< 0.5	14	45	48	2.63	< 10	1	0.08	< 10
BB27094	94069407	0.26	20	< 0.2	2.08	88	< 10	130	< 0.5	< 2	0.27	< 0.5	11	63	27	2.64	< 10	1	0.32	< 10
BB27095	94069407	0.34	12	< 0.2	1.78	62	< 10	150	< 0.5	< 2	0.34	< 0.5	8	48	24	2.18	< 10	1	0.36	< 10
BB27096	94069407	0.36	18	< 0.2	2.48	154	< 10	250	< 0.5	< 2	0.49	< 0.5	16	74	41	3.14	< 10	2	0.55	< 10
BB27097	94069407	0.40	12	< 0.2	1.83	248	< 10	150	< 0.5	8	0.46	< 0.5	10	52	28	2.43	< 10	1	0.34	< 10
BB27098	94069407	0.24	11	< 0.2	2.15	138	< 10	160	< 0.5	< 2	0.33	< 0.5	12	52	32	2.77	< 10	< 1	0.26	< 10
BB27099	94069407	0.14	15	< 0.2	0.88	30	< 10	130	< 0.5	< 2	0.73	< 0.5	4	18	59	1.02	< 10	< 1	0.06	< 10
BB27100	94069407	0.20	14	< 0.2	1.94	426	< 10	200	< 0.5	2	0.92	< 0.5	13	48	84	2.63	< 10	2	0.18	< 10
BB27101	94069407	0.30	50	< 0.2	2.36	314	< 10	200	< 0.5	< 2	0.31	< 0.5	13	68	37	3.13	< 10	1	0.47	< 10
BB27102	94069407	0.20	33	< 0.2	2.39	240	< 10	100	< 0.5	< 2	0.43	< 0.5	14	62	36	3.92	< 10	< 1	0.20	< 10
BB27103	94069407	0.26	50	< 0.2	2.13	266	< 10	110	< 0.5	< 2	0.21	< 0.5	12	60	21	2.95	< 10	1	0.47	< 10
BB27104	94069407	0.26	32	< 0.2	2.57	246	< 10	230	< 0.5	< 2	0.49	< 0.5	16	62	71	3.35	< 10	3	0.48	< 10
BB27105	94069407	0.18	11	< 0.2	1.34	76	< 10	120	< 0.5	< 2	0.31	< 0.5	10	35	33	2.17	< 10	1	0.32	< 10
BB27106	94069407	0.16	16	< 0.2	1.98	108	< 10	190	< 0.5	< 2	0.63	< 0.5	18	50	57	2.76	< 10	< 1	0.33	< 10
BB27107	94069407	0.24	41	< 0.2	2.75	178	< 10	220	< 0.5	< 2	0.33	< 0.5	14	76	43	3.49	< 10	1	0.56	< 10
BB27108	94069407	0.10	24	< 0.2	2.07	176	< 10	170	< 0.5	< 2	0.66	< 0.5	16	55	40	2.79	< 10	< 1	0.43	< 10
BB27109	94069407	0.20	32	< 0.2	2.57	224	< 10	190	< 0.5	< 2	0.39	< 0.5	15	67	50	3.33	< 10	4	0.41	< 10
BB27110	94069407	0.22	59	< 0.2	2.28	158	< 10	150	< 0.5	< 2	0.24	< 0.5	13	64	41	3.52	< 10	< 1	0.40	< 10
BB27111	94069407	0.14	21	< 0.2	2.00	132	< 10	170	< 0.5	< 2	0.47	< 0.5	12	59	52	2.97	< 10	< 1	0.38	< 10
BB27112	94069407	0.20	26	< 0.2	1.96	120	< 10	140	< 0.5	< 2	0.37	< 0.5	11	56	58	2.97	< 10	1	0.32	< 10
BB27113	94069407	0.24	4	< 0.2	0.54	60	< 10	50	< 0.5	< 2	0.24	< 0.5	5	10	22	1.07	< 10	< 1	0.09	< 10
BB27114	94069407	0.22	33	< 0.2	2.56	172	< 10	210	< 0.5	< 2	0.35	< 0.5	16	67	56	3.48	< 10	< 1	0.47	< 10
BB27115	94069407	0.26	38	< 0.2	2.48	308	< 10	200	< 0.5	< 2	0.38	< 0.5	15	67	44	3.40	< 10	1	0.50	< 10
BB27116	94069407	0.22	66	< 0.2	2.10	174	< 10	180	< 0.5	< 2	0.27	< 0.5	12	56	37	2.92	< 10	3	0.47	< 10
BB27117	94069407	0.18	22	< 0.2	2.28	116	< 10	190	< 0.5	< 2	0.43	< 0.5	14	61	37	3.12	< 10	3	0.44	< 10
BB27118	94069407	0.26	49	< 0.2	2.71	132	< 10	300	< 0.5	< 2	0.43	< 0.5	15	76	51	3.56	< 10	< 1	0.94	< 10
BB27119	94069407	0.30	708	< 0.2	2.67	160	< 10	260	< 0.5	< 2	0.38	< 0.5	14	69	48	3.26	< 10	3	0.53	< 10
BB27120	94069407	0.26	37	< 0.2	2.52	126	< 10	260	< 0.5	< 2	0.39	< 0.5	15	71	39	3.37	< 10	3	0.81	< 10

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

o: CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY
Comments:

Page : 3-B
Total : 6
Certificate Date: 29-JUL-2002
Invoice No. : 10220101
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27081	94069407	0.78	190	1	0.01	29	190	4 < 0.01	< 2	5	18	0.13	< 10	< 10	75	< 10	60	
BB27082	94069407	0.74	245	1	0.02	35	280	6 0.01	< 2	5	24	0.11	< 10	< 10	81	< 10	58	
BB27083	94069407	0.81	230	1	0.03	35	720	< 2 0.01	< 2	6	24	0.14	< 10	< 10	82	< 10	56	
BB27084	94069407	0.68	175	5	0.03	32	360	< 2 0.02	< 2	5	25	0.13	< 10	< 10	82	< 10	54	
BB27085	94069407	0.99	210	< 1	0.02	30	350	6 < 0.01	< 2	4	26	0.21	< 10	< 10	90	< 10	70	
BB27086	94069407	0.63	215	1	0.01	31	370	4 0.01	< 2	4	16	0.12	< 10	< 10	76	< 10	90	
BB27087	94069407	0.92	300	< 1	0.03	37	840	4 0.03	2	5	43	0.13	< 10	< 10	86	< 10	66	
BB27088	94069407	0.90	260	1	0.03	31	790	2 < 0.01	< 2	6	29	0.14	< 10	< 10	85	< 10	60	
BB27089	94069407	0.66	230	2	0.01	26	230	6 0.01	< 2	3	16	0.12	< 10	< 10	79	< 10	60	
BB27090	94069407	1.02	335	2	0.02	52	250	2 0.01	< 2	8	21	0.17	< 10	< 10	100	< 10	64	
BB27091	94069407	0.79	255	< 1	0.04	40	850	2 < 0.01	< 2	5	33	0.12	< 10	< 10	70	< 10	54	
BB27092	94069407	0.86	270	1	0.02	45	340	6 < 0.01	2	6	23	0.14	< 10	< 10	96	< 10	76	
BB27093	94069407	0.68	230	< 1	0.01	40	510	8 0.01	2	4	25	0.08	< 10	< 10	67	< 10	72	
BB27094	94069407	0.85	260	1	0.02	35	450	2 0.01	< 2	5	21	0.13	< 10	< 10	74	< 10	56	
BB27095	94069407	0.73	215	< 1	0.03	27	850	2 < 0.01	< 2	5	23	0.10	< 10	< 10	64	< 10	46	
BB27096	94069407	1.06	320	1	0.04	40	1080	2 0.01	< 2	8	33	0.15	< 10	< 10	95	< 10	86	
BB27097	94069407	0.78	290	< 1	0.03	31	830	2 0.01	< 2	5	29	0.11	< 10	< 10	69	< 10	52	
BB27098	94069407	0.81	305	1	0.02	36	540	2 < 0.01	< 2	6	25	0.12	< 10	< 10	77	< 10	56	
BB27099	94069407	0.23	75	1	0.02	20	860	4 0.18	< 2	1	42	0.04	< 10	< 10	32	< 10	26	
BB27100	94069407	0.70	400	2	0.02	52	990	4 0.10	< 2	3	57	0.06	< 10	< 10	67	< 10	56	
BB27101	94069407	1.05	325	1	0.03	52	350	2 < 0.01	< 2	7	23	0.15	< 10	< 10	89	< 10	68	
BB27102	94069407	0.96	280	3	0.01	44	270	8 0.03	< 2	6	29	0.16	< 10	< 10	102	< 10	98	
BB27103	94069407	0.99	305	1	0.01	33	130	6 < 0.01	< 2	7	23	0.16	< 10	< 10	85	< 10	74	
BB27104	94069407	1.06	400	1	0.03	52	820	6 0.03	2	6	43	0.13	< 10	< 10	88	< 10	78	
BB27105	94069407	0.55	225	1	0.01	28	310	2 0.03	< 2	3	27	0.10	< 10	< 10	61	< 10	48	
BB27106	94069407	0.80	805	1	0.03	40	680	6 0.09	< 2	3	52	0.08	< 10	< 10	75	< 10	68	
BB27107	94069407	1.13	395	< 1	0.02	46	560	4 0.01	< 2	9	30	0.19	< 10	< 10	107	< 10	82	
BB27108	94069407	0.81	355	< 1	0.02	38	460	2 0.06	< 2	5	59	0.12	< 10	< 10	76	< 10	66	
BB27109	94069407	0.98	430	1	0.02	43	610	6 0.04	< 2	6	36	0.14	< 10	< 10	99	< 10	76	
BB27110	94069407	0.89	315	1	0.01	41	430	8 0.03	< 2	5	25	0.15	< 10	< 10	100	< 10	84	
BB27111	94069407	0.83	345	1	0.01	37	740	< 2 0.09	2	3	41	0.08	< 10	< 10	81	< 10	72	
BB27112	94069407	0.82	255	< 1	0.02	39	350	2 0.03	< 2	4	33	0.12	< 10	< 10	81	< 10	72	
BB27113	94069407	0.19	120	< 1	0.01	13	730	< 2 < 0.01	< 2	1	15	0.04	< 10	< 10	31	< 10	24	
BB27114	94069407	1.07	405	< 1	0.02	47	510	2 0.01	2	7	30	0.14	< 10	< 10	95	< 10	76	
BB27115	94069407	1.06	410	< 1	0.02	45	700	2 < 0.01	< 2	8	30	0.16	< 10	< 10	95	< 10	76	
BB27116	94069407	0.96	330	< 1	0.03	37	430	2 0.01	< 2	6	24	0.14	< 10	< 10	82	< 10	64	
BB27117	94069407	1.00	345	< 1	0.03	38	310	< 2 0.03	< 2	7	33	0.14	< 10	< 10	86	< 10	72	
BB27118	94069407	1.17	465	1	0.04	47	1060	4 < 0.01	2	10	36	0.19	< 10	< 10	111	< 10	80	
BB27119	94069407	1.04	385	< 1	0.03	46	740	< 2 < 0.01	< 2	8	30	0.16	< 10	< 10	97	< 10	70	
BB27120	94069407	1.10	395	< 1	0.03	40	920	< 2 < 0.01	< 2	9	29	0.17	< 10	< 10	102	< 10	76	

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY
Comments:

Page: 4-A
Total: 6
Certificate Date: 29-JUL-2002
Invoice No.: 10220101
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
BB27121	94069407	0.26	118	< 0.2	2.65	158	< 10	280	< 0.5	< 2	0.42	< 0.5	12	74	37	3.57	< 10	4	0.93	< 10
BB27122	94069407	0.20	23	< 0.2	2.88	190	< 10	310	< 0.5	< 2	0.41	< 0.5	16	80	57	3.80	< 10	< 1	1.02	< 10
BB27123	94069407	0.26	35	< 0.2	2.39	102	< 10	240	< 0.5	< 2	0.34	< 0.5	12	69	31	3.22	< 10	< 1	0.78	< 10
BB27124	94069407	0.28	22	< 0.2	2.90	128	< 10	290	< 0.5	< 2	0.59	< 0.5	15	81	43	3.69	< 10	2	0.77	< 10
BB27125	94069407	0.18	12	< 0.2	2.91	140	< 10	110	< 0.5	< 2	0.23	< 0.5	15	67	33	3.33	< 10	3	0.26	< 10
BB27126	94069407	0.28	20	< 0.2	2.45	594	< 10	230	< 0.5	< 2	0.45	< 0.5	14	66	66	3.19	< 10	4	0.72	< 10
BB27127	94069407	0.22	11	< 0.2	2.46	82	< 10	80	< 0.5	< 2	0.25	< 0.5	13	58	23	3.23	< 10	2	0.17	< 10
BB27128	94069407	0.30	73	< 0.2	2.53	168	< 10	190	< 0.5	< 2	0.31	< 0.5	13	62	48	3.09	< 10	< 1	0.36	< 10
BB27129	94069407	0.24	35	< 0.2	2.42	136	< 10	110	< 0.5	< 2	0.26	< 0.5	13	52	28	2.93	< 10	2	0.17	< 10
BB27130	94069407	0.26	6	< 0.2	3.30	58	< 10	100	< 0.5	< 2	0.35	< 0.5	15	68	22	3.92	< 10	2	0.18	< 10
BB27131	94069407	0.20	10	< 0.2	2.39	80	< 10	130	< 0.5	< 2	0.23	< 0.5	12	52	25	3.05	< 10	< 1	0.24	< 10
BB27132	94069407	0.18	16	< 0.2	1.96	86	< 10	100	< 0.5	< 2	0.24	< 0.5	14	46	26	2.76	< 10	< 1	0.09	< 10
BB27133	94069407	0.20	14	< 0.2	1.89	188	< 10	100	< 0.5	< 2	0.20	< 0.5	10	45	22	2.66	< 10	2	0.14	< 10
BB27134	94069407	0.20	31	< 0.2	1.87	290	< 10	160	< 0.5	< 2	0.51	< 0.5	14	41	55	2.36	< 10	< 1	0.16	< 10
BB27135	94069407	0.20	5	< 0.2	1.91	208	< 10	110	< 0.5	< 2	0.32	< 0.5	13	45	14	2.98	< 10	1	0.12	< 10
BB27136	94069407	0.18	12	< 0.2	1.97	160	< 10	160	< 0.5	< 2	0.42	< 0.5	11	46	17	2.61	< 10	< 1	0.13	< 10
BB27137	94069407	0.14	42	< 0.2	1.41	46	< 10	70	< 0.5	< 2	0.29	< 0.5	10	36	16	2.49	< 10	< 1	0.20	< 10
BB27138	94069407	0.20	2	< 0.2	2.28	38	< 10	70	< 0.5	< 2	0.16	< 0.5	10	39	22	2.88	< 10	1	0.07	< 10
BB27139	94069407	0.20	7	< 0.2	2.22	128	< 10	140	< 0.5	< 2	0.26	< 0.5	12	49	22	2.75	< 10	1	0.19	< 10
BB27140	94069407	0.22	14	< 0.2	2.23	210	< 10	120	< 0.5	< 2	0.34	< 0.5	12	52	21	2.63	< 10	2	0.19	< 10
BB27141	94069407	0.20	30	< 0.2	2.00	308	< 10	140	< 0.5	< 2	0.25	< 0.5	17	42	23	2.85	< 10	1	0.07	< 10
BB27142	94069407	0.22	3	< 0.2	1.74	414	< 10	140	< 0.5	< 2	0.42	< 0.5	11	40	26	2.12	< 10	1	0.22	< 10
BB27143	94069407	0.22	9	< 0.2	2.24	96	< 10	140	< 0.5	< 2	0.28	< 0.5	12	50	21	2.77	< 10	1	0.14	< 10
BB27144	94069407	0.20	5	< 0.2	2.05	836	< 10	150	< 0.5	< 2	0.24	< 0.5	19	44	19	3.89	< 10	1	0.08	< 10
BB27145	94069407	0.22	24	< 0.2	2.31	162	< 10	200	< 0.5	< 2	0.41	< 0.5	14	63	19	3.04	< 10	< 1	0.35	< 10
BB27146	94069407	0.16	10	< 0.2	1.66	196	< 10	60	< 0.5	< 2	0.22	< 0.5	10	42	15	2.77	< 10	< 1	0.29	< 10
BB27147	94069407	0.24	3	< 0.2	3.03	48	< 10	70	< 0.5	6	0.24	< 0.5	14	58	32	2.72	< 10	3	0.17	< 10
BB27148	94069407	0.28	3	< 0.2	1.68	46	< 10	100	< 0.5	< 2	0.20	< 0.5	11	41	18	2.68	< 10	< 1	0.20	< 10
BB27149	94069407	0.24	5	< 0.2	1.78	56	< 10	90	< 0.5	< 2	0.21	< 0.5	11	41	24	2.66	< 10	< 1	0.23	< 10
BB27150	94069407	0.20	4	< 0.2	1.87	92	< 10	110	< 0.5	< 2	0.45	< 0.5	15	46	21	2.39	< 10	1	0.26	< 10
BB27151	94069407	0.26	9	< 0.2	1.46	170	< 10	130	< 0.5	< 2	0.45	< 0.5	10	40	27	2.05	< 10	< 1	0.29	< 10
BB27152	94069407	0.14	9	< 0.2	2.80	1275	< 10	140	0.5	< 2	0.16	< 0.5	23	50	54	4.28	< 10	3	0.05	< 10
BB27153	94069407	0.26	10	< 0.2	1.82	380	< 10	180	< 0.5	< 2	0.82	< 0.5	16	45	37	2.56	< 10	< 1	0.27	< 10
BB27154	-- --	0.02	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
BB27155	94069407	0.10	12	< 0.2	1.77	46	< 10	120	< 0.5	< 2	0.13	< 0.5	11	42	19	3.02	< 10	< 1	0.10	< 10
BB27156	94069407	0.26	14	< 0.2	1.14	80	< 10	130	< 0.5	2	0.61	< 0.5	8	27	20	1.66	< 10	1	0.25	< 10
BB27157	94069407	0.28	11	< 0.2	1.95	126	< 10	210	< 0.5	< 2	0.86	< 0.5	12	48	42	2.64	< 10	1	0.50	< 10
BB27158	94069407	0.32	16	< 0.2	2.16	310	< 10	180	< 0.5	< 2	0.56	< 0.5	12	61	56	2.84	< 10	1	0.52	< 10
BB27159	94069407	0.24	36	< 0.2	2.16	214	< 10	210	< 0.5	< 2	0.89	< 0.5	14	50	27	2.83	< 10	1	0.45	< 10
BB27160	94069407	0.24	6	< 0.2	1.84	218	< 10	170	< 0.5	< 2	0.67	< 0.5	9	43	48	2.27	< 10	2	0.26	< 10

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY
Comments :

Page : 4-B
Total : 6
Certificate Date: 29-JUL-2002
Invoice No. : I0220101
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27121	94069407	1.21	365	1	0.03	40	820	< 2	< 0.01	2	9	34	0.17	< 10	< 10	108	< 10	80
BB27122	94069407	1.23	450	< 1	0.03	50	840	4	< 0.01	< 2	10	33	0.19	< 10	< 10	116	< 10	86
BB27123	94069407	1.09	365	1	0.03	37	890	< 2	< 0.01	< 2	8	25	0.15	< 10	< 10	98	< 10	72
BB27124	94069407	1.23	420	< 1	0.03	42	830	6	0.02	< 2	9	40	0.18	< 10	< 10	113	< 10	84
BB27125	94069407	0.96	275	1	0.02	42	190	4	0.01	< 2	7	23	0.15	< 10	< 10	95	< 10	66
BB27126	94069407	0.98	380	1	0.04	60	1080	2	< 0.01	< 2	8	31	0.15	< 10	< 10	91	< 10	76
BB27127	94069407	0.82	235	2	0.02	33	260	4	0.01	< 2	5	21	0.12	< 10	< 10	87	< 10	62
BB27128	94069407	0.85	305	< 1	0.01	40	690	6	0.05	< 2	4	31	0.11	< 10	< 10	86	< 10	68
BB27129	94069407	0.79	250	1	0.02	38	360	6	0.01	2	5	21	0.11	< 10	< 10	77	< 10	58
BB27130	94069407	1.00	290	1	0.04	40	260	8	0.01	< 2	7	32	0.15	< 10	< 10	105	< 10	82
BB27131	94069407	0.80	265	1	0.02	35	340	2	0.01	< 2	5	19	0.12	< 10	< 10	83	< 10	64
BB27132	94069407	0.61	290	< 1	0.02	27	420	6	0.01	< 2	3	20	0.11	< 10	< 10	72	< 10	74
BB27133	94069407	0.66	165	< 1	0.01	25	230	6	0.01	< 2	3	18	0.11	< 10	< 10	71	< 10	48
BB27134	94069407	0.61	385	< 1	0.03	30	760	6	0.03	< 2	3	37	0.08	< 10	< 10	59	< 10	48
BB27135	94069407	0.73	300	< 1	0.01	24	460	6	< 0.01	< 2	4	27	0.11	< 10	< 10	79	< 10	168
BB27136	94069407	0.68	205	1	0.02	27	750	2	0.01	4	4	31	0.11	< 10	< 10	72	< 10	52
BB27137	94069407	0.51	140	< 1	0.02	20	720	< 2	0.01	< 2	2	19	0.11	< 10	< 10	59	< 10	72
BB27138	94069407	0.58	165	1	0.01	23	280	8	< 0.01	4	4	16	0.10	< 10	< 10	66	< 10	48
BB27139	94069407	0.74	190	< 1	0.02	31	680	2	< 0.01	< 2	5	21	0.13	< 10	< 10	74	< 10	56
BB27140	94069407	0.79	235	1	0.03	31	750	2	< 0.01	2	6	29	0.13	< 10	< 10	74	< 10	56
BB27141	94069407	0.64	455	1	0.01	23	580	12	< 0.01	< 2	3	24	0.07	< 10	< 10	61	< 10	100
BB27142	94069407	0.63	210	< 1	0.03	24	950	< 2	< 0.01	2	4	41	0.09	< 10	< 10	55	< 10	48
BB27143	94069407	0.74	230	1	0.02	32	600	4	< 0.01	< 2	5	25	0.12	< 10	< 10	74	< 10	50
BB27144	94069407	0.68	475	3	0.01	28	360	12	0.01	< 2	3	19	0.09	< 10	< 10	79	< 10	84
BB27145	94069407	0.94	245	1	0.03	30	720	2	< 0.01	< 2	7	32	0.17	< 10	< 10	88	< 10	64
BB27146	94069407	0.66	150	1	0.01	23	180	2	0.01	< 2	4	14	0.13	< 10	< 10	74	< 10	44
BB27147	94069407	0.78	215	3	0.03	45	370	2	0.01	< 2	5	25	0.12	< 10	< 10	71	< 10	58
BB27148	94069407	0.62	150	2	0.01	26	220	2	< 0.01	< 2	3	20	0.10	< 10	< 10	69	< 10	46
BB27149	94069407	0.64	210	< 1	0.02	28	280	< 2	< 0.01	< 2	4	16	0.10	< 10	< 10	67	< 10	48
BB27150	94069407	0.75	285	< 1	0.03	34	300	2	0.01	2	4	30	0.11	< 10	< 10	68	< 10	56
BB27151	94069407	0.66	240	< 1	0.03	25	890	2	< 0.01	< 2	4	29	0.08	< 10	< 10	54	< 10	48
BB27152	94069407	0.53	200	1	0.01	38	610	10	0.01	< 2	3	15	0.07	< 10	< 10	79	< 10	90
BB27153	94069407	0.78	345	< 1	0.03	29	540	6	0.04	2	4	50	0.11	< 10	< 10	64	< 10	70
BB27154	-- --	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
BB27155	94069407	0.63	210	1	0.01	25	270	10	< 0.01	< 2	4	14	0.11	< 10	< 10	78	< 10	72
BB27156	94069407	0.50	225	< 1	0.03	17	1030	< 2	0.01	< 2	3	35	0.07	< 10	< 10	42	< 10	42
BB27157	94069407	0.89	410	< 1	0.04	33	1030	2	0.01	< 2	6	45	0.11	< 10	< 10	68	< 10	64
BB27158	94069407	1.00	360	1	0.04	35	840	< 2	0.01	4	7	39	0.12	< 10	< 10	73	< 10	64
BB27159	94069407	0.84	435	2	0.05	27	1290	2	0.03	< 2	5	62	0.12	< 10	< 10	75	< 10	72
BB27160	94069407	0.68	235	2	0.03	30	720	< 2	0.05	< 2	2	48	0.06	< 10	< 10	55	< 10	76

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY
Comments:

Page Number: 5-A
Total: 6
Certificate Date: 29-JUL-2002
Invoice No.: 10220101
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
BB27161	94069407	0.24	18 < 0.2	2.56	396	< 10	150	< 0.5	< 2	0.37	< 0.5	13	64	37	3.31	< 10	< 1	0.27	< 10	
BB27162	94069407	0.26	9 < 0.2	2.84	210	< 10	190	< 0.5	< 2	0.41	< 0.5	14	65	37	3.20	< 10	< 1	0.42	< 10	
BB27163	94069407	0.30	18 < 0.2	2.26	112	< 10	360	< 0.5	< 2	0.57	< 0.5	11	57	29	2.85	< 10	< 1	0.44	< 10	
BB27164	94069407	0.18	12 < 0.2	2.61	134	< 10	200	< 0.5	< 2	0.39	< 0.5	13	57	35	3.07	< 10	< 1	0.26	< 10	
BB27165	94069407	0.26	22 < 0.2	2.51	92	< 10	240	< 0.5	< 2	0.31	< 0.5	12	71	26	3.34	< 10	< 1	0.69	< 10	
BB27166	94069407	0.36	13 < 0.2	2.32	72	< 10	240	< 0.5	< 2	0.37	< 0.5	12	67	26	3.18	< 10	< 1	0.71	< 10	
BB27167	94069407	0.22	19 < 0.2	2.80	172	< 10	210	< 0.5	< 2	0.29	< 0.5	14	67	46	3.27	< 10	< 1	0.52	< 10	
BB27168	94069407	0.28	13 < 0.2	2.38	86	< 10	200	< 0.5	< 2	0.32	< 0.5	12	59	26	2.92	< 10	< 1	0.44	< 10	
BB27169	94069407	0.18	102 < 0.2	2.74	154	< 10	190	< 0.5	< 2	0.34	< 0.5	13	62	33	3.43	< 10	< 1	0.41	< 10	
BB27170	94069407	0.18	33 < 0.2	2.30	90	< 10	210	< 0.5	2	0.35	< 0.5	11	60	30	2.90	< 10	< 1	0.52	< 10	
BB27171	94069407	0.28	26 < 0.2	3.13	128	< 10	210	< 0.5	< 2	0.42	< 0.5	14	70	32	3.63	< 10	< 1	0.35	< 10	
BB27172	94069407	0.32	49 < 0.2	2.89	154	< 10	350	< 0.5	< 2	0.47	< 0.5	14	79	53	3.79	< 10	< 1	0.96	< 10	
BB27173	94069407	0.34	55 < 0.2	2.77	106	< 10	290	< 0.5	< 2	0.37	< 0.5	14	80	36	3.62	< 10	< 1	0.73	< 10	
BB27174	94069407	0.36	61 < 0.2	2.46	136	< 10	260	< 0.5	< 2	0.39	< 0.5	13	72	32	3.36	< 10	< 1	0.67	< 10	
BB27175	94069407	0.50	52 < 0.2	2.34	118	< 10	270	< 0.5	< 2	0.42	< 0.5	14	73	37	3.22	10	< 1	0.62	< 10	
BB27176	94069407	0.28	24 < 0.2	2.28	68	< 10	230	< 0.5	< 2	0.39	< 0.5	13	65	25	3.04	< 10	< 1	0.59	< 10	
BB27177	94069407	0.24	34 < 0.2	2.34	38	< 10	260	< 0.5	< 2	0.37	< 0.5	15	68	31	3.14	< 10	< 1	0.69	< 10	
BB27178	94069407	0.22	20 < 0.2	2.87	190	< 10	250	< 0.5	< 2	0.70	< 0.5	10	66	77	3.17	< 10	< 1	0.40	< 10	
BB27179	94069407	0.26	158 < 0.2	2.65	218	< 10	270	< 0.5	< 2	0.48	< 0.5	17	75	33	3.49	< 10	< 1	0.60	< 10	
BB27180	94069407	0.38	59 < 0.2	3.35	190	< 10	360	< 0.5	< 2	0.42	< 0.5	17	89	63	4.14	< 10	< 1	1.00	< 10	
BB27181	94069407	0.36	18 < 0.2	2.42	126	< 10	240	< 0.5	< 2	0.38	< 0.5	12	61	34	3.13	< 10	< 1	0.53	< 10	
BB27182	94069407	0.34	31 < 0.2	2.42	80	< 10	250	< 0.5	< 2	0.37	< 0.5	11	71	27	3.08	< 10	< 1	0.65	< 10	
BB27183	94069407	0.30	113 < 0.2	3.02	144	< 10	290	< 0.5	4	0.34	< 0.5	14	84	34	3.41	< 10	< 1	0.70	< 10	
BB27184	94069407	0.30	45 < 0.2	3.26	490	< 10	280	< 0.5	< 2	0.34	< 0.5	22	97	63	4.39	< 10	< 1	0.65	< 10	
BB27185	94069407	0.24	55 < 0.2	2.62	402	< 10	240	< 0.5	< 2	0.47	< 0.5	24	66	51	3.60	< 10	< 1	0.36	< 10	
BB27186	94069407	0.18	28 < 0.2	2.12	128	< 10	80	< 0.5	2	0.14	< 0.5	8	50	55	3.35	< 10	< 1	0.08	< 10	
BB27187	94069407	0.34	42 < 0.2	2.86	128	< 10	280	< 0.5	< 2	0.30	< 0.5	13	82	31	3.59	< 10	< 1	0.71	< 10	
BB27188	94069407	0.10	12 < 0.2	2.78	152	< 10	300	< 0.5	< 2	0.56	< 0.5	14	82	37	3.72	< 10	< 1	0.49	< 10	
BB27189	94069407	0.26	36 < 0.2	2.55	142	< 10	270	< 0.5	< 2	0.43	< 0.5	13	78	37	3.49	< 10	< 1	0.77	< 10	
BB27190	94069407	0.16	22 < 0.2	2.53	166	< 10	230	< 0.5	< 2	0.49	< 0.5	14	69	49	3.51	< 10	< 1	0.56	< 10	
BB27191	94069407	0.40	188 < 0.2	2.36	100	< 10	250	< 0.5	< 2	0.43	< 0.5	12	71	24	3.17	< 10	< 1	0.64	< 10	
BB27192	94069407	0.32	46 < 0.2	2.69	180	< 10	270	< 0.5	2	0.39	< 0.5	13	76	28	3.51	< 10	< 1	0.62	< 10	
BB27193	94069407	0.26	44 < 0.2	2.45	110	< 10	260	< 0.5	< 2	0.43	< 0.5	14	72	30	3.30	< 10	< 1	0.68	< 10	
BB27194	94069407	0.36	88 < 0.2	2.34	96	< 10	260	< 0.5	< 2	0.44	< 0.5	13	69	32	3.20	< 10	< 1	0.72	< 10	
BB27195	94069407	0.30	18 < 0.2	2.21	68	< 10	230	< 0.5	2	0.39	< 0.5	11	63	29	3.00	< 10	< 1	0.59	< 10	
BB27196	94069407	0.26	41 < 0.2	2.66	154	< 10	310	< 0.5	< 2	0.44	< 0.5	14	81	44	3.59	< 10	< 1	0.82	< 10	
BB27197	94069407	0.28	23 < 0.2	1.92	104	< 10	200	< 0.5	< 2	0.42	< 0.5	10	57	29	2.57	< 10	< 1	0.49	< 10	
BB27198	94069407	0.14	66 < 0.2	2.53	310	< 10	150	< 0.5	< 2	0.31	< 0.5	13	65	28	3.17	< 10	< 1	0.34	< 10	
BB27199	94069407	0.20	50 < 0.2	2.37	1645	< 10	300	< 0.5	< 2	0.48	< 0.5	23	47	55	3.38	< 10	< 1	0.12	< 10	
BB27200	94069407	0.22	25 < 0.2	2.65	154	< 10	130	< 0.5	< 2	0.20	< 0.5	15	53	36	2.77	< 10	< 1	0.17	< 10	

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : RUBY
Comments :

Page : 5-B
Total : 6
Certificate Date: 29-JUL-2002
Invoice No. : I0220101
P.O. Number :
Account : MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27161	94069407	0.94	245	1	0.03	32	630	6	0.01	2	7	37	0.18	< 10	< 10	92	< 10	60
BB27162	94069407	0.99	275	1	0.04	39	870	4	< 0.01	< 2	7	35	0.18	< 10	< 10	92	< 10	60
BB27163	94069407	0.97	310	< 1	0.04	29	1330	2	< 0.01	< 2	6	52	0.17	< 10	< 10	78	< 10	58
BB27164	94069407	0.89	285	< 1	0.03	34	990	2	0.01	< 2	6	31	0.16	< 10	< 10	81	< 10	60
BB27165	94069407	1.01	360	< 1	0.02	35	700	2	< 0.01	< 2	9	21	0.17	< 10	< 10	102	< 10	72
BB27166	94069407	1.01	375	< 1	0.03	32	1180	2	< 0.01	< 2	9	25	0.16	< 10	< 10	98	< 10	70
BB27167	94069407	0.91	310	1	0.03	50	700	4	< 0.01	< 2	7	23	0.15	< 10	< 10	89	< 10	76
BB27168	94069407	0.93	295	< 1	0.03	33	660	2	< 0.01	< 2	7	24	0.15	< 10	< 10	84	< 10	58
BB27169	94069407	0.94	285	1	0.03	41	520	6	0.01	< 2	7	28	0.16	< 10	< 10	93	< 10	66
BB27170	94069407	0.92	305	< 1	0.03	31	900	4	< 0.01	< 2	7	25	0.15	< 10	< 10	85	< 10	58
BB27171	94069407	1.05	285	1	0.03	44	410	6	0.01	< 2	8	30	0.17	< 10	< 10	101	< 10	68
BB27172	94069407	1.21	440	< 1	0.04	45	1210	2	< 0.01	2	11	37	0.21	< 10	< 10	117	< 10	84
BB27173	94069407	1.17	430	< 1	0.03	36	1020	4	< 0.01	< 2	11	27	0.21	< 10	< 10	113	< 10	76
BB27174	94069407	1.05	390	< 1	0.03	34	1000	2	< 0.01	2	9	28	0.19	< 10	< 10	103	< 10	70
BB27175	94069407	1.09	370	< 1	0.04	35	680	2	< 0.01	< 2	7	30	0.16	< 10	< 10	98	< 10	72
BB27176	94069407	1.04	340	< 1	0.03	29	1200	4	< 0.01	< 2	8	25	0.16	< 10	< 10	89	< 10	68
BB27177	94069407	1.05	350	< 1	0.03	30	1220	2	< 0.01	< 2	9	25	0.17	< 10	< 10	94	< 10	70
BB27178	94069407	1.01	245	< 1	0.02	45	980	6	0.09	< 2	5	51	0.11	< 10	< 10	84	< 10	94
BB27179	94069407	1.17	425	< 1	0.04	42	330	4	0.01	< 2	9	39	0.21	< 10	< 10	104	< 10	92
BB27180	94069407	1.29	540	< 1	0.03	48	1130	4	< 0.01	2	12	31	0.22	< 10	< 10	126	< 10	94
BB27181	94069407	1.05	495	< 1	0.03	30	870	4	< 0.01	< 2	8	28	0.19	< 10	< 10	92	< 10	74
BB27182	94069407	1.04	315	< 1	0.02	32	1180	2	< 0.01	< 2	9	24	0.17	< 10	< 10	96	< 10	70
BB27183	94069407	1.15	340	< 1	0.02	43	1030	2	0.01	< 2	10	24	0.20	< 10	< 10	111	< 10	90
BB27184	94069407	1.26	515	1	0.02	50	900	6	0.01	< 2	10	31	0.20	< 10	< 10	113	< 10	92
BB27185	94069407	1.12	540	< 1	0.03	44	1030	6	0.02	< 2	7	39	0.18	< 10	< 10	90	< 10	88
BB27186	94069407	0.47	155	2	0.01	24	320	8	0.02	< 2	4	24	0.11	< 10	< 10	75	< 10	60
BB27187	94069407	1.17	355	< 1	0.02	40	900	6	0.01	< 2	10	22	0.20	< 10	< 10	114	< 10	86
BB27188	94069407	1.27	490	< 1	0.03	39	700	4	0.03	< 2	10	44	0.26	< 10	< 10	115	< 10	92
BB27189	94069407	1.13	425	< 1	0.03	38	1210	2	< 0.01	< 2	10	32	0.19	< 10	< 10	108	< 10	78
BB27190	94069407	1.04	335	< 1	0.03	41	410	4	0.04	2	8	39	0.18	< 10	< 10	99	< 10	76
BB27191	94069407	1.07	365	< 1	0.03	33	1190	2	< 0.01	< 2	9	28	0.18	< 10	< 10	96	< 10	74
BB27192	94069407	1.14	375	1	0.03	35	1120	4	< 0.01	< 2	9	28	0.19	< 10	< 10	107	< 10	74
BB27193	94069407	1.13	380	< 1	0.03	33	1230	6	< 0.01	< 2	9	29	0.18	< 10	< 10	99	< 10	74
BB27194	94069407	1.07	395	< 1	0.03	33	1250	2	< 0.01	< 2	9	30	0.18	< 10	< 10	98	< 10	70
BB27195	94069407	1.00	345	< 1	0.03	30	1050	2	< 0.01	< 2	8	25	0.15	< 10	< 10	86	< 10	62
BB27196	94069407	1.17	440	< 1	0.04	42	1120	4	< 0.01	< 2	10	33	0.20	< 10	< 10	111	< 10	78
BB27197	94069407	0.86	315	< 1	0.03	29	1190	2	< 0.01	< 2	7	28	0.13	< 10	< 10	76	< 10	54
BB27198	94069407	0.94	300	< 1	0.03	37	480	6	0.01	< 2	7	22	0.16	< 10	< 10	88	< 10	62
BB27199	94069407	0.78	500	1	0.02	30	920	6	0.03	< 2	5	33	0.11	< 10	< 10	80	< 10	68
BB27200	94069407	0.78	225	< 1	0.03	35	340	2	0.03	< 2	5	17	0.15	< 10	< 10	78	< 10	54

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

Client: CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY
Comments:

Page: 6-A
Total: 6
Certificate Date: 29-JUL-2002
Invoice No.: 10220101
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
BB27201	94069407	0.26	19	< 0.2	2.43	128	< 10	200	< 0.5	< 2	0.31	< 0.5	16	49	32	3.38	< 10	< 1	0.08	< 10
BB27202	94069407	0.30	45	< 0.2	2.67	416	10	210	< 0.5	2	0.69	< 0.5	24	74	33	3.01	< 10	< 1	0.29	< 10
BB27203	94069407	0.14	8	< 0.2	1.52	98	< 10	160	< 0.5	2	0.50	< 0.5	11	37	39	2.45	< 10	< 1	0.19	< 10
BB27204	94069407	0.24	9	< 0.2	2.41	114	< 10	260	< 0.5	< 2	0.42	< 0.5	12	56	30	3.04	< 10	< 1	0.18	< 10
BB27205	94069407	0.18	16	< 0.2	2.63	488	< 10	160	< 0.5	< 2	0.40	< 0.5	13	63	45	3.12	< 10	< 1	0.30	< 10
BB27206	94069407	0.30	12	< 0.2	2.08	88	< 10	240	< 0.5	< 2	0.44	< 0.5	11	50	32	2.79	< 10	< 1	0.29	< 10
BB27207	94069407	0.32	18	< 0.2	2.09	160	< 10	190	< 0.5	< 2	0.45	< 0.5	11	54	33	2.72	< 10	< 1	0.37	< 10
BB27208	94069407	0.24	26	< 0.2	2.99	724	< 10	130	< 0.5	< 2	0.34	< 0.5	13	69	31	3.97	< 10	< 1	0.28	< 10
BB27209	94069407	0.26	19	< 0.2	2.29	112	< 10	150	< 0.5	< 2	0.28	< 0.5	12	55	30	2.72	< 10	< 1	0.29	< 10
BB27210	94069407	0.26	11	< 0.2	1.61	34	< 10	170	< 0.5	< 2	0.80	< 0.5	7	38	34	2.19	< 10	< 1	0.04	< 10
BB27211	94069407	0.30	46	< 0.2	2.33	94	< 10	210	< 0.5	< 2	0.33	< 0.5	11	62	26	2.98	< 10	< 1	0.53	< 10
BB27212	94069407	0.30	15	< 0.2	2.70	156	< 10	190	< 0.5	< 2	0.34	< 0.5	14	61	46	3.46	< 10	< 1	0.38	< 10
BB27213	94069407	0.32	18	< 0.2	2.29	118	< 10	200	< 0.5	2	0.28	< 0.5	12	60	36	2.89	< 10	< 1	0.36	< 10
BB27214	94069407	0.34	100	< 0.2	1.99	74	< 10	200	< 0.5	< 2	0.44	< 0.5	10	60	20	2.67	< 10	< 1	0.50	< 10
BB27215	94069407	0.32	26	< 0.2	2.69	98	< 10	260	< 0.5	< 2	0.42	< 0.5	14	76	30	3.40	< 10	< 1	0.58	< 10
BB27216	94069407	0.38	171	< 0.2	2.62	114	10	280	< 0.5	< 2	0.44	< 0.5	15	79	37	3.53	< 10	< 1	0.75	< 10
BB27217	94069407	0.26	22	< 0.2	2.40	218	< 10	220	0.5	< 2	0.59	< 0.5	23	58	85	3.58	< 10	< 1	0.18	< 10
BB27218	94069407	0.28	21	< 0.2	2.46	252	< 10	170	< 0.5	2	0.39	< 0.5	18	61	51	3.45	< 10	< 1	0.31	< 10
BB27219	94069407	0.24	18	< 0.2	2.67	292	< 10	220	< 0.5	< 2	0.47	< 0.5	19	71	41	3.61	< 10	< 1	0.42	< 10
BB27220	94069407	0.26	32	< 0.2	2.58	216	< 10	210	< 0.5	< 2	0.37	< 0.5	17	68	56	3.58	< 10	< 1	0.37	< 10
BB27221	94069407	0.16	32	< 0.2	2.64	180	< 10	230	< 0.5	< 2	0.72	< 0.5	27	68	63	3.51	< 10	< 1	0.34	< 10

CERTIFICATION: _____ +



ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

o: CASH MINERALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: RUBY
Comments:

Page: 6-B
Total: 6
Certificate Date: 29-JUL-2002
Invoice No.: 10220101
P.O. Number:
Account: MPM

CERTIFICATE OF ANALYSIS

A0220101

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27201	94069407	0.74	360	1	0.01	30	490	6	0.01	< 2	4	26	0.13	< 10	< 10	79	< 10	66
BB27202	94069407	1.64	315	1	0.04	43	1340	2	< 0.01	< 2	5	46	0.22	< 10	< 10	69	< 10	64
BB27203	94069407	0.53	345	1	0.02	26	810	6	0.05	< 2	1	36	0.07	< 10	< 10	60	< 10	96
BB27204	94069407	0.87	250	1	0.03	26	540	6	0.03	< 2	5	38	0.14	< 10	< 10	80	< 10	56
BB27205	94069407	0.91	260	1	0.02	43	420	4	0.04	< 2	5	30	0.13	< 10	< 10	86	< 10	68
BB27206	94069407	0.77	255	< 1	0.03	28	700	4	0.03	< 2	5	35	0.13	< 10	< 10	75	< 10	52
BB27207	94069407	0.85	305	< 1	0.03	31	980	2	< 0.01	< 2	6	31	0.12	< 10	< 10	73	< 10	56
BB27208	94069407	1.07	285	1	0.01	38	420	6	0.03	< 2	7	22	0.14	< 10	< 10	105	< 10	78
BB27209	94069407	0.80	265	1	0.03	34	580	2	0.02	< 2	6	20	0.13	< 10	< 10	79	< 10	56
BB27210	94069407	0.56	150	1	0.01	20	830	6	0.05	< 2	2	48	0.05	< 10	< 10	52	< 10	34
BB27211	94069407	0.96	320	< 1	0.03	31	650	2	< 0.01	< 2	8	22	0.15	< 10	< 10	88	< 10	60
BB27212	94069407	0.97	330	1	0.02	42	470	6	0.01	< 2	7	26	0.15	< 10	< 10	90	< 10	78
BB27213	94069407	0.89	325	< 1	0.03	35	590	2	< 0.01	< 2	7	19	0.15	< 10	< 10	84	< 10	58
BB27214	94069407	0.91	300	< 1	0.03	27	1280	2	< 0.01	4	7	26	0.15	< 10	< 10	82	< 10	58
BB27215	94069407	1.12	395	< 1	0.03	35	1010	4	< 0.01	2	9	30	0.19	< 10	< 10	105	< 10	68
BB27216	94069407	1.16	440	< 1	0.03	36	1120	6	< 0.01	< 2	10	33	0.21	< 10	< 10	110	< 10	76
BB27217	94069407	0.78	385	1	0.01	45	1020	6	0.07	< 2	4	48	0.10	< 10	< 10	85	< 10	66
BB27218	94069407	0.99	365	< 1	0.02	47	590	6	0.01	< 2	6	30	0.15	< 10	< 10	86	< 10	80
BB27219	94069407	1.21	420	< 1	0.03	45	840	2	0.01	< 2	9	32	0.20	< 10	< 10	102	< 10	88
BB27220	94069407	1.01	370	< 1	0.02	42	770	4	0.04	< 2	8	31	0.16	< 10	< 10	96	< 10	92
BB27221	94069407	1.02	1000	1	0.02	47	790	8	0.08	< 2	6	57	0.13	< 10	< 10	94	< 10	94

CERTIFICATION: _____ +

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

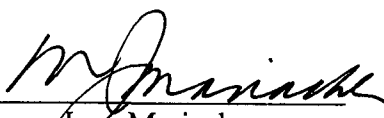


AFFIDAVIT

I, Joan Mariacher, of VANCOUVER, B.C. make oath and say:

That to the best of my knowledge the attached Statement of

Expenditures for exploration work on the ANGUS 1-6, DELOR 1-129, MALOU 1-52
& SHUT 1-4
mineral claims on Claim Sheet 115 H/4 is accurate.

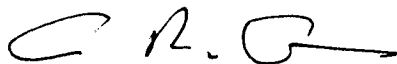

Joan Mariacher

Sworn before me at VANCOUVER, B.C.

this 15TH day of

OCTOBER, 2002

Just scan the
one page statement of Expenditures



Notary Public, Yukon Territory

Statement of Expenditures
Angus 1-6, Delor 1-129, Malou 1-52 and Shut 1-6 Mineral Claims
October 10, 2002



Labour

D. Eaton – geologist – 136 hours June to September at \$60/hr	\$ 8,731.20
B. Wengzynowski – geologist – 118 hours June to August at \$60/hr	7,575.60
A. Burgert – geologist – 55 days July to September at \$400/day	23,540.00
D. Moraal – field assistant – 31 days July & August at \$256/day	8,491.52
P. Sack – field assistant – 10 days June & July at \$240/day	2,568.00
I. Korkh – field assistant – 31 days July & August at \$192/day	6,368.64
J. Manley – field assistant – 24 days July & August at \$192/day	4,930.56
	62,205.52

Expenses

Field room and board – 177 ½ days at \$115/day	21,841.38
Trans North Helicopter – 10.7 hours Bell 206B at \$925/hr plus fuel	11,700.11
ALS Chemex	6,431.49
Truck rental and fuel	1,761.54
	41,734.52
	<u>\$103,940.04</u>

094415

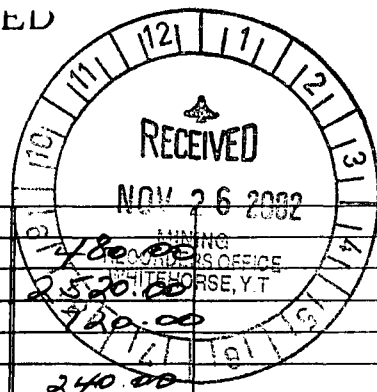
In Account With

RUBY RANGE PROJECT

JUNE 30, 2002

Project

Date



LABOUR

Field

R. CARNE - 8 HRS AT 60/HR
D. EATON - 42 HRS AT 60/HR
B. WENGLYNOWSKI - 12 HRS AT 60/HR
I. SACK - 1 DAY AT 240/DAY

2480.00
2520.00
240.00
240.00

Office M. Cooke- hrs at \$39.15/hr

Accounting and Expediting J. Mariacher- 18 3/4 hrs at \$44.45/hr

833.44 4793.44

OTHER SERVICES

Room & Board in Whitehorse 1 days at \$90/day
Field equipment from AC stock
Printing 1.00 Photocopies 17 @ .25 = 38.75
Rentals from AC

90.00

39.75

ROOMS COURIER - 2 AT 1385EA
Drafting hrs at \$38.40/hr

27.70

157.45

EXPENSES

Petty Cash 11.00 CV

11.00

Telephone 42.95 + 12.50 + 3.00

58.45

A. ARCHER EXPENSES

CV

8.81

JOAN M. EXPENSES

D3

861.15

BARRY M. CALLAN EXPENSES

97.85

GREYHOUND COURIER

24.95

CORPORATE COURIER

7.50

A. BURBERT EXPENSES

D3

176.85

WESTERN EXPLORERS

63.00

DEANIN EQUIPMENT

145.30

NORAN LEASING

58.33

1517.13

MANAGEMENT 6% on Expenses
on Field A/C

91.03

91.03

6559.05

ST (R100247667) 7% on 6559.05

459.13

*GST exempt

7018.18

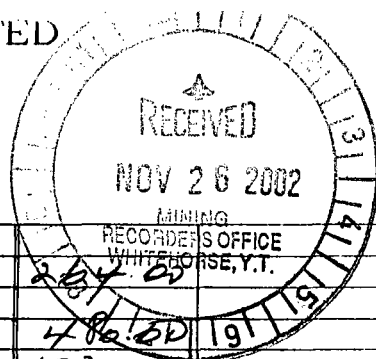
In Account With

RUBY RANGE PROJECT

Project

Date

JULY 31, 2002



LABOUR

Field

A. ARCHER - 4 HRS AT 66/Hr

R. CARNE - 8 HRS AT 60/Hr

D. EATON - 17 HRS AT 60/Hr

B. WENZELHANSKI - 84 HRS AT 60/Hr

A. BURGERT - 23 DAYS AT 400/DAY

D. MORRIS - 12 DAYS AT 256/DAY

P. SACK - 9 DAYS AT 240/DAY

I. KORKH - 23 DAYS AT 192/DAY

J. MANLEY - 4 DAYS AT 192/DAY

Office M. Cooke-

hrs at \$39.15/hr

Accounting and Expediting J. Mariacher-

32 1/2 hrs at \$44.45/hr

OTHER SERVICES

Room & Board in Whitehorse 13 days at \$90/day

Field equipment from AC stock 810.10 + 730.00

Printing Photocopies @ .25

Rentals from AC JULY 3-31 50X11 @ 10/DAY + 810X SCAPER @ 2/DAY +

2 1/2 COMB @ 6.67/DAY + 2 GPS AT 15.33/DAY

Drafting hrs at \$38.40/hr

Loomis Courier - 7 @ 13.85

XPENSES

Petty Cash

Telephone 2.45 + 27.78

GREYHOUNDS COURIER

RIVERDALE SUPER A

NORCAN LEASING

BUILDERS SUPPLYLAND

TWISSE SERVICES

BARRY MCDALLAN BLAT

MANAGEMENT 6% on Expenses
on Field A/C

T (R100247667) 7% on 35541.08

GST exempt

181.24
681.57

862.81

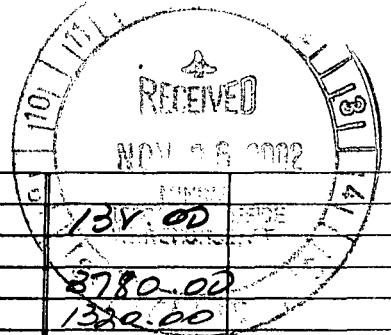
35541.08

2487.88

38028.56

Project
Date

In Account With
RUBY RANGE PROJECT
AUGUST 31, 2002



LABOUR
Field

A. ARCHER - 2 HRS AT 66/HR	132.00	
D. EATON - 63 HRS AT 60/HR	3780.00	
B. WENGZYKOWSKI - 22 HRS AT 60/HR	1320.00	
A. BURGERT - 29 DAYS AT 400/DAY	11600.00	
D. MORRIS - 19 DAYS AT 256/DAY	4864.00	
S. EATON - 1 DAY AT 192/DAY	192.00	
I. KORKH - 8 DAYS AT 192/DAY	1536.00	
J. MANLEY - 20 DAYS AT 192/DAY	3840.00	
R. CARNE - 8 HRS JUNE BILLED TWICE - 5M XXX	<480.00>	

Office M. Cooke - hrs at \$39.15/hr

Accounting and Expediting J. Mariacher - 22 hrs at \$44.45/hr 977.90 27761.90

OTHER SERVICES

Room & Board in Whitehorse 28 days at \$90/day	2520.00	
Field equipment from AC stock 64 MANDAYS AT 10/DAY	640.00	
Printing Photocopies 164 @ .25	41.00	
Rentals from AC AUGUST 1-19 5BX 11 AT 10/DAY + 1BX AT 2/DAY + 2 LCRS AT 6.67/DAY + 2 GRS AT 11.33/DAY	646.00	

Drafting hrs at \$38.40/hr 3847.00

EXPENSES

Petty Cash

Telephone 29.31 + 90.56	119.87	
GREYHOUND COURIER - 94.74 + 82.79	177.53	
TWIGGE SERVICES	106.19	
JOAN M XENSES	390.22	
NORAN LEARNING - 458.41 + 225.80	684.21	
A. BURKEAT XENSES	11.15	
D. EATON XENSES - 24.99.01 + 18.77.02	43.76	1532.93

MANAGEMENT 6% on Expenses
on Field A/C

91.98	
317.41	409.39
	33551.22

ST (R100247667) 7% on 33551.22

2348.59

=GST exempt

35899.81

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

RUBY RANGE PROJECT

Date

SEPTEMBER 30, 2002

LABOUR				
Field	A. ARCHER - 1 HR AT 66/HR		66.00	
	D. EATON - 14 HRS AT 60/HR		840.00	
	A. BURBERT - 3 DAYS AT 400/DAY		1200.00	
Office M. Cooke -		hrs at \$39.15/hr		
Accounting and Expediting	J. Mariacher -	21 1/4 hrs at \$44.45/hr	944.56	3050.56
OTHER SERVICES				
Room & Board in Whitehorse	3	days at ⁹⁰ ~~80~~ /day	270.00	
Field equipment from AC stock				
Printing	Photocopies	428 @ ¹⁵ ~~25~~	64.50	
Rentals from AC				
Drafting		hrs at \$38.40/hr		334.50
EXPENSES				
Petty Cash				
Telephone	13.54		13.54	
RIVERDALE SUPER A			1651.20	
JOAN M XENSEL		D3	115.00	
GREYHOUND COURIER			39.73	
MAD'S FIREWED			66.97	1886.44
MANAGEMENT 6% on Expenses			113.18	
on Field A/C				113.18
ST (R100247667) 7% on	5384.38			376.91
=GST exempt				5761.29

ACCOUNT NUMBER **ARCHCAC**
 INVOICE NUMBER **30675**
 INVOICE DATE **14/08/02**
 AREA B.C. YUKON NWT ALTA
 A/C TYPE **206B** AIRCRAFT REGISTRATION C **GIMV1Q**
 FLIGHT DATE **07/08/02**
 PURCHASE ORDER NO.

ARCHER CATHRO

1016-510 W. HASTINGS ST.

VANCOUVER, BC V6B 1L8

FUEL & OIL X TMTA FUEL USED HRS/LITRES FROM
 TMTA CUST. **1.9 HRS BULK HAINES**

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
HAINES Jct			
KILLAMAN LK	1435		
CAMP MOUE	1630		
HAINES Jct		1.9	

Remit Payment To:			
Trans North Helicopters			
P.O. Box 8			
Whitehorse, Yukon			
Y1A 5X9			
	@ 925.	1757	50
	@		
HOLDING TIME:	@	/ HR.	
FUEL	@ 217	@ .85 / LITRE	184 45

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
 IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X **AB** **Rubey R.**
 CHARTERER'S SIGNATURE
 CHARTERER'S NAME (PRINTED)
 INITIALS **IRC**
 PILOT'S SIGNATURE
 ENGINEER'S NAME
BXG BRUCE GERMAIN

MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		1941	95
GOODS & SERVICES TAX			
REGISTRATION NO. R121483135		13594	

TOTAL \$ 2077.89

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

PAY UPON RECEIPT

ACCOUNT NUMBER **ARCHCAC**
 INVOICE NUMBER **30663**
 INVOICE DATE **14/08/02**
 AREA B.C. YUKON NWT ALTA
 A/C TYPE **20673** AIRCRAFT REGISTRATION C **GIMV1Q**
 FLIGHT DATE **29/07/02**
 PURCHASE ORDER NO.

ARCHER CATHRO

1016-510 W. HASTINGS ST.

VANCOUVER, BC V6B 1L8

FUEL & OIL X TMTA FUEL USED HRS/LITRES FROM
 TMTA CUST. **CONSUMED 1.575**

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
15			
2 TRIPS			
KILLAMAN			
15		1.5	

Remit Payment To:			
Trans North Helicopters			
P.O. Box 8			
Whitehorse, Yukon			
Y1A 5X9			
	@ 925.	1387	50
	@		
HOLDING TIME:	@	/ HR.	
FUEL	@ 171	@ .85 / LITRE	145 35

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
 IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X **Rubey R.**
 CHARTERER'S SIGNATURE
 CHARTERER'S NAME (PRINTED)
 INITIALS **DRM**
 PILOT'S SIGNATURE
 ENGINEER'S NAME

MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		1532	85
GOODS & SERVICES TAX			
REGISTRATION NO. R121483135		107	30

TOTAL \$ 1640.15

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

ACCOUNT NUMBER	ARCHCAC
INVOICE NUMBER	30632
INVOICE DATE	115/07/02
A/C TYPE	206B3 G M Y Q
FLIGHT DATE	11/07/02
PURCHASE ORDER NO.	

CHARTERER

CASH Minerals Ltd.
BILLING ADDRESS 1016-SIO W. HASTINGS ST.
VANCOUVER, B.C. V6B 1L8

FUEL & OIL X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA CUST.			HAS BASE

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
HAINES JUNCTION			
KILLERMAN LAKE			- 2 PAX + GEAR TO SITE
HAINES JUNC		1.7	- MOVE CAMP - RPT BASE
KILLERMAN LAKE			
HAINES JUNC		0.6	

Remit Payment To: Trans North Helicopters P.O. Box 8 Whitehorse, Yukon Y1A 5X9	2.3 @ 925	2127	50
HOLDING TIME:	@ / HR.		
FUEL 262.2 @ .85 / LITRE		222	87
FUEL @ / LITRE			
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		2350	37
GOODS & SERVICES TAX REGISTRATION NO. R121483135		164	53
TOTAL	\$	2514	90

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

ACCOUNT NUMBER	ARCHCAC
INVOICE NUMBER	30627
INVOICE DATE	115/07/02
A/C TYPE	206D G M Y Q
FLIGHT DATE	03/07/02
PURCHASE ORDER NO.	

CHARTERER

CASH Minerals Ltd.
BILLING ADDRESS 1016-SIO W. HASTINGS ST.
VANCOUVER, B.C. V6B 1L8

FUEL & OIL X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA CUST.			HAS

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
15 -			
KILLERMAN LAKE			
WATER.			
LT		2.0	you 12

Remit Payment To: Trans North Helicopters P.O. Box 8 Whitehorse, Yukon Y1A 5X9	@ 925	1850	00
HOLDING TIME:	@ / HR.		
FUEL 228 @ .85 / LITRE		193	80
FUEL @ / LITRE			
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		2043	80
GOODS & SERVICES TAX REGISTRATION NO. R121483135		143	07
TOTAL	\$	2186	87

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6
TELEPHONE (867) 668-2177 FAX (867) 668-3420

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.

20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6
TELEPHONE (867) 668-2177 FAX (867) 668-3420

Archer, Cathro & Assoc.

CHARTERER

1016-510 W. Hastings St.

BILLING ADDRESS

Vancouver, BC V6B 1L8

FUEL & OIL X TMTA FUEL USED HRS/LITRES FROM
TMTA CUST. 2.0 HJ

ACCOUNT NUMBER	ARCHCAC
INVOICE NUMBER	30691
INVOICE DATE	21/10/81
AREA	B.C. YUKON NWT ALTA
A/C TYPE	BH06
AIRCRAFT REGISTRATION C	G-M80
FLIGHT DATE	19 08 02
PURCHASE ORDER NO.	

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
HJ			
Killermun Camp	19:45	0.5	Flight from HJ to the gravel pit to Killermun Camp.
Killermun Camp	11:35 13:05	1.5	Two Sling loads to the gravel pit. Third trip Pax 3 plus internal gear.

Remit Payment To:
Trans North Helicopters
P.O. Box 8
Whitehorse, Yukon
Y1A 5X9

2.0	@ 925.	1850 00
	@	
HOLDING TIME:	@ / HR.	
FUEL 228	@ .85 / LITRE	193 80
FUEL	@ / LITRE	
MEALS & LODGINGS		
OTHER		
OTHER		
SUB TOTAL		2043 80
GOODS & SERVICES TAX REGISTRATION NO. R121483135		143 07

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X

CHARTERER'S SIGNATURE

Arnd Bergert

CHARTERER'S NAME (PRINTED)

INITIALS

BHS

PILOT'S SIGNATURE

ENGINEER'S NAME

TOTAL \$ 2186 87

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Aurora Laboratory Services Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **CASH MINERALS LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Page 1 of 1

INVOICE NUMBER: 1003429

BILLING INFORMATION

Certificate: **VA02002813**
Account: **MPM**
Date : **30-Aug-2002**
Project : Ruby Range ✕
P.O. No.:
Quote:
Terms: **Net 30 Days**

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
1	BAT-01	Administration Fee	22.50	22.50
80.20	PREP-31	Wt. Charge (kg) - Crush, Split, Pulverize	0.19	15.24
43	PREP-31	Crush, Split, Pulverize	4.50	193.50
43	Au-AA26	Ore Grade Au 50g FA AA finish	8.40	361.20
43	ME-ICP41	34 element aqua regia ICP-AES	4.80	206.40
43	GEO-AR01	Aqua regia digestion	1.88	80.84
2	ASY-AR01	Assay Aqua Regia Digestion	2.40	4.80
2	As-AA46	Ore grade As - aqua regia/AA	1.80	3.60

SUBTOTAL \$ 888.08

GST R100938885 \$ 62.17

TOTAL PAYABLE (CAD) \$ 950.25

To: **CASH MINERALS LTD.**
ATTN: VANCOUVER OFFICE
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Please Remit Payments to :

ALS Chemex
212 Brooksbank Avenue
North Vancouver BC V7J 2C1



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Page 1 of 1

INVOICE NUMBER: 1003431

BILLING INFORMATION

Certificate: **VA02002814**

Account: **MPM**

Date : **30-Aug-2002**

Project : Ruby Range

P.O. No.:

Quote:

Terms: **Net 30 Days**

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
1	BAT-01	Administration Fee	0.00	0.00
5	Au-AA24	Au 50g FA AA finish	8.40	42.00
5	ME-ICP41	34 element aqua regia ICP-AES	4.80	24.00
1	ASY-AR01	Assay Aqua Regia Digestion	2.40	2.40
1	As-AA46	Ore grade As - aqua regia/AA	1.80	1.80

SUBTOTAL \$ 70.20

GST R100938885 \$ 4.91

TOTAL PAYABLE (CAD) \$ 75.11

To: CASH MINERALS LTD.
ATTN: VANCOUVER OFFICE
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Please Remit Payments to :

ALS Chemex

212 Brooksbank Avenue

North Vancouver BC V7J 2C1



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Page 1 of 1

INVOICE NUMBER: 1003906

BILLING INFORMATION

Certificate: **VA02003066**
Account: **MPM**
Date : **18-Sep-2002**
Project : Ruby Range
P.O. No.:
Quote:
Terms: **Net 30 Days**

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
33	PREP-31	Crush, Split, Pulverize	4.50	148.50
26.10	PREP-31	Wt. Charge (kg) - Crush, Split, Pulverize	0.19	4.96
33	Au-AA26	Ore Grade Au 50g FA AA finish	8.40	277.20
33	ME-ICP41	34 element aqua regia ICP-AES	4.80	158.40
11	ASY-AR01	Assay Aqua Regia Digestion	2.40	26.40
1	Ag-AA46	Ore grade Ag - aqua regia/AA	1.80	1.80
2	Pb-AA46	Ore grade Pb - aqua regia/AA	1.80	3.60

SUBTOTAL \$ 620.86

GST R100938885 \$ 43.46

TOTAL PAYABLE (CAD) \$ 664.32

To: CASH MINERALS LTD.
ATTN: ACCOUNT S PAYABLE
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Please Remit Payments to :

ALS Chemex
212 Brooksbank Avenue
North Vancouver BC V7J 2C1



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: CASH MINERALS LTD.
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Page 1 of 1

INVOICE NUMBER: 1003908

BILLING INFORMATION

Certificate: **VA02003065**

Account: **MPM**

Date : **18-Sep-2002**

Project : Ruby Range *JK*

P.O. No.:

Quote:

Terms: **Net 30 Days**

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
1	BAT-01	Administration Fee	22.50	22.50
81	Au-AA26	Ore Grade Au 50g FA AA finish	8.40	680.40
81	ME-ICP41	34 element aqua regia ICP-AES	4.80	388.80

SUBTOTAL \$ 1,091.70

GST R100938885 \$ 76.42

TOTAL PAYABLE (CAD) \$ 1,168.12

To: CASH MINERALS LTD.
ATTN: ACCOUNT S PAYABLE
C/O ARCHER, CATHRO AND ASSOCIATES (1981)
LTD.
1016 - 510 W. HASTINGS ST.
VANCOUVER BC V6B 1L8

Please Remit Payments to :

ALS Chemex

212 Brooksbank Avenue

North Vancouver BC V7J 2C1



ALS Chemex

ALS Canada Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

1016 - 510 W. HASTINGS ST.

VANCOUVER, BC

V6B 1L8

INVOICE NUMBER

I 0 2 2 0 1 0 1

BILLING INFORMATION

Date: 31-JUL-2002

Project: RUBY

P.O. No.:

Account: MPM

Comments:

Billing: For analysis performed on
Certificate A0220101

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
220	- ME-ICP41	4.80*		
	- PREP-41	2.50		
	WEI-21 - Weight of received sample	0.00		
	Au-ICP21 - Au ppb: FA ICP package	8.10*	15.40	3388.00
1	WEI-21 - Weight of received sample	0.00	0.00	0.00
Additional charges:				
1	BAT-01 - Batch processing fee	30.00		30.00
54	SCR-41/kg - -180 micron screen per kg charge	0.75		40.50
Total Cost \$				3458.50
Client Discount (25% of \$620.50) \$				-155.13
Net Cost \$				3303.37
(Reg# R100938885) GST \$				231.24
TOTAL PAYABLE (CDN) \$				3534.61



ALS Chemex

ALS Canada Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221

To: CASH MINERALS LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

1016 - 510 W. HASTINGS ST.

VANCOUVER, BC

V6B 1L8

INVOICE NUMBER

I 0 2 2 0 1 0 3

BILLING INFORMATION

Date: 31-JUL-2002

Project: RUBY

P.O. No.:

Account: MPM

Comments:

Billing: For analysis performed on
Certificate A0220103

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX

212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
2	- ME-ICP41	4.80*		
	- PREP-31	6.00		
	WEI-21 - Weight of received sample	0.00		
	Au-AA26 - Au g/t: 50 g fusion - AA finish	8.40*	19.20	38.40
Additional charges:				
6	CRU-31 - Crush to 70% -2mm per kg charge	0.20		1.20
6	SPL-21 - Riffle splitting charge per kg	0.05		0.30
Total Cost \$				39.90
Client Discount (25% of \$13.50) \$				-3.38
Net Cost \$				36.52
(Reg# R100938885) GST \$				2.56
TOTAL PAYABLE (CDN) \$				39.08